



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Schlage Lock Company
6810 Hillsdale Court
Indianapolis, IN 46250

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: SteelCraft H Series Single Flush Outswing Commercial Steel Door w/wo Panic Exit-LMI

APPROVAL DOCUMENT: Drawing No **IRF S07 Rev L**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 13 of 13, prepared by the manufacturer, dated 05-20-07 and last revised on 08/11/15, signed and sealed by Thomas Gordon, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact

Limitations:

1. See Design Pressures, Sizes, Hardware and Water infiltration (Threshold types) limitations in sheets 1, 2 and 5 of the drawings. Lower design Pressure shall control the assembly.
2. ElFom P200 (Polyisocynurate) is by Elliott Company of Indianapolis.
3. Use of Ives Viewers (model U696/U698) is limited to +/-75 PSF.
4. Electrical/Electronic functions and Fire ratings are not part of this approval, such functions to be reviewed and approved by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Cincinnati, Ohio and Series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises & renews** NOA #13-1217.16 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY
APPROVED

NOA No. 15-0826.23
Expiration Date: May 05, 2017
Approval Date: March 31, 2016
Page 1

4
3/24/16

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No **IRF S07 Rev L**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 13 of 13, prepared by the manufacturer, dated 05-20-07 and last revised on 08/11/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files#13-1217.16/ #12-0305.14/ #10-0209.07/#07-0829.04)

1. Test report on

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of Single outswing steel doors w/ Stainless steel continuous Hinges & modified Hat stiffeners, marked by Certified Testing Lab, Test Reports No(s). **CTLA-3045W** dated February 16, 2015, signed and sealed by Ramesh Patel, P.E.

2. Test report on

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double outswing steel doors w/CVC panic exit and Peep hole, marked by Element Material Technology, Test Reports No(s). **ESP011623P** dated May 14, 2013, signed and sealed by Jason Sheen, P.E.

3. Test reports on

- 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94.
- 2) Water Resistance Test per FBC TAS 202-94

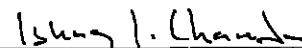
Along with marked-up drawings and installation diagram of double steel commercial doors, prepared by National Certified Testing Laboratories Inc., Test Report No. **NCTL- 210-03-0514-11**, dated August 31, 2004 , **NCTL 210- 03-3511-1** dated 04/09/08 and **NCTL 210- 03-3549-1** dated 08/26/08, all signed and sealed by Gerry Ferrara, P. E.

Note: Test report No(s): **NCTL210-3549-1** and **NCTL-210-3511-1** have been revised by an addendum letter, issued by Lab, dated Feb. 04, 2009, signed & sealed by Gerard J. Ferrara, P. E.

4 Test report on

- 1) Air Infiltration Test, per TAS 202-94
- 2) Water Resistance Test per FBC TAS 202-94(Not conducted)
- 3) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 4) Large Missile Impact Test per FBC, TAS 201-94
- 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 6) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. **NCTL-210- 3580-2**, dated March 25, 2009, signed and sealed by Gerry Ferrara, P. E.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 15-0826.23

Expiration Date: May 05, 2017

Approval Date: March 31, 2016

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continue)

5. Test report on (submitted under file # **07-0829.04**)

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double glazed outswing steel doors, marked by Certified Testing Lab, Test Reports No(s). **CTLA-776W** dated February 20, 2002, **CTLA-975W** dated Jan 23, 2003, **CTLA-882W** dated Aug 29, 2002, **CTLA-1035W** dated May 28, 2003 and , **CTLA-1086-W** dated Nov. 17, 2003 and **CTLA-1107W-3** dated June 30, 2004, all signed and sealed by Ramesh Patel, P.E.

Note: Test report CTLA-1035W has been revised by an addendum letter dated Feb 20, 2009, signed and sealed by Ramesh Patel, P.E.

6. Additional Reference test report No.CTLA-1107W for strap anchor qualification.

C. CALCULATIONS:

1. Anchor verification calculation complying w/ FBC 2014(5th Edition) dated 08/10/15, prepared, signed & sealed by Thomas Gordon., P.E.
2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E. (Submitted under file # 10-0209.07)

D. QUALITY ASSURANCE BY

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (submitted under files #13-1217.16/#10-0209.09)

1. Material composition & Flammability properties and Material Safety Data sheet of Pyrophobic P25C-60 core by Pyrophobic System LTD, dated DEC 05, 2010, issued by I. Zhvanetsky, chemical consultant.
2. Material composition & Flammability properties and Material Safety Data sheet of Calcium Silicate mineral block, issued by Marshfield Door Sys, Inc., Marshfield. WI 54449.
3. Test Report No. **12-11177**, Nov 29, 2012, issued by Commercial Testing Co. for "Surface Flame spread & Smoke density Characteristics of Building material" per ASTM E84-12 for "Elfoam P200", issued to Elliott Co. of Indianapolis Inc.
4. Test Report No. **16206-122543 (1015P200(3))**, dated November 29, 2004 for " Surface Burning Characteristics of Bldg. material" per ASTM E84 and self-Ignition per ASTM 1929D for "Polyisocyanurate" issued by Omega Point Laboratories, Inc. to Elliot Co., Indianapolis, IN.
5. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
6. Test Report No. **3094867SAT-001**, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "EPS", issued to Falcon Foam, a Div. of Atlas Roofing, re-named as "ATLAS EPS"



Ishaq I. Chanda, P.E.

Product Control Examiner

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E. MATERIAL CERTIFICATIONS (continue)

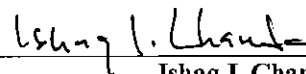
7. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM E-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
8. Test Report No. 3094867SAT-001, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "EPS", issued to Falcon Foam, a Div of Atlas Roofing, re-named as "ATLAS EPS".

F. STATEMENTS: Except items #1, balanced items submitted under files #13-1217.16/#10-0209.09

1. Letter of conformance to FBC 2014 and "No financial interest", dated 08/18/15, prepared, signed and sealed by Gordon Thomas, P.E.
2. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
3. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.
4. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State
5. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
6. Statement letter of conformance to FBC 2007 and no financial interest, dated FEB 02, 2010, prepared, signed and sealed by Gordon Thomas, P.E.
7. Laboratory Compliance statement issued as part of the above test reports.
8. Addendum letter dated DEC 19, 2011, issued by Certified Testing Lab verifying wire anchors, strength of grout, stud anchor, Strike plate and MA series Mortise Lock, supplemented w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.
9. Letter of certification dated 04/20/10, issued by Ingersoll-Rand for electronic CO lock series mechanical /functional parts same as AD, ND and AD-M series.

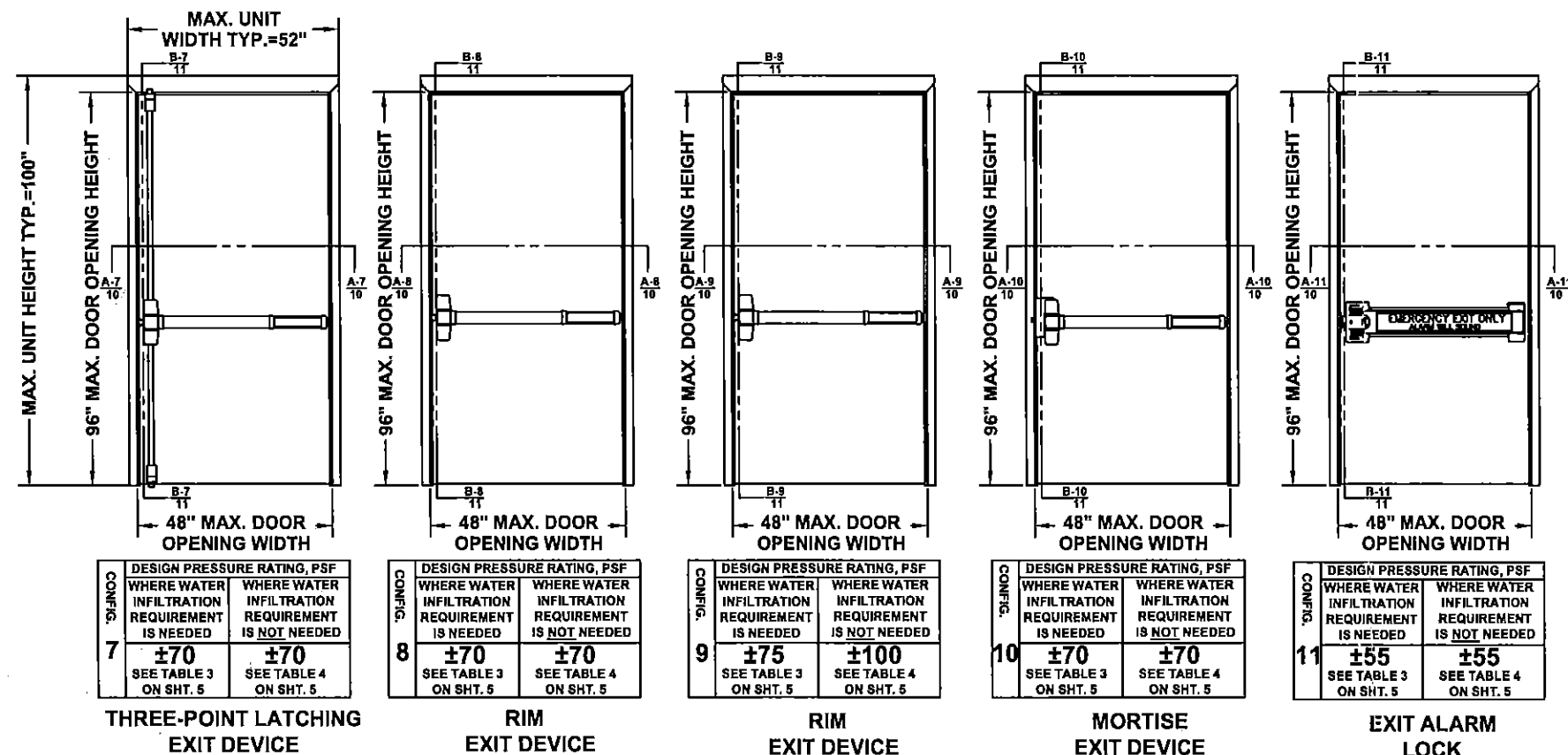
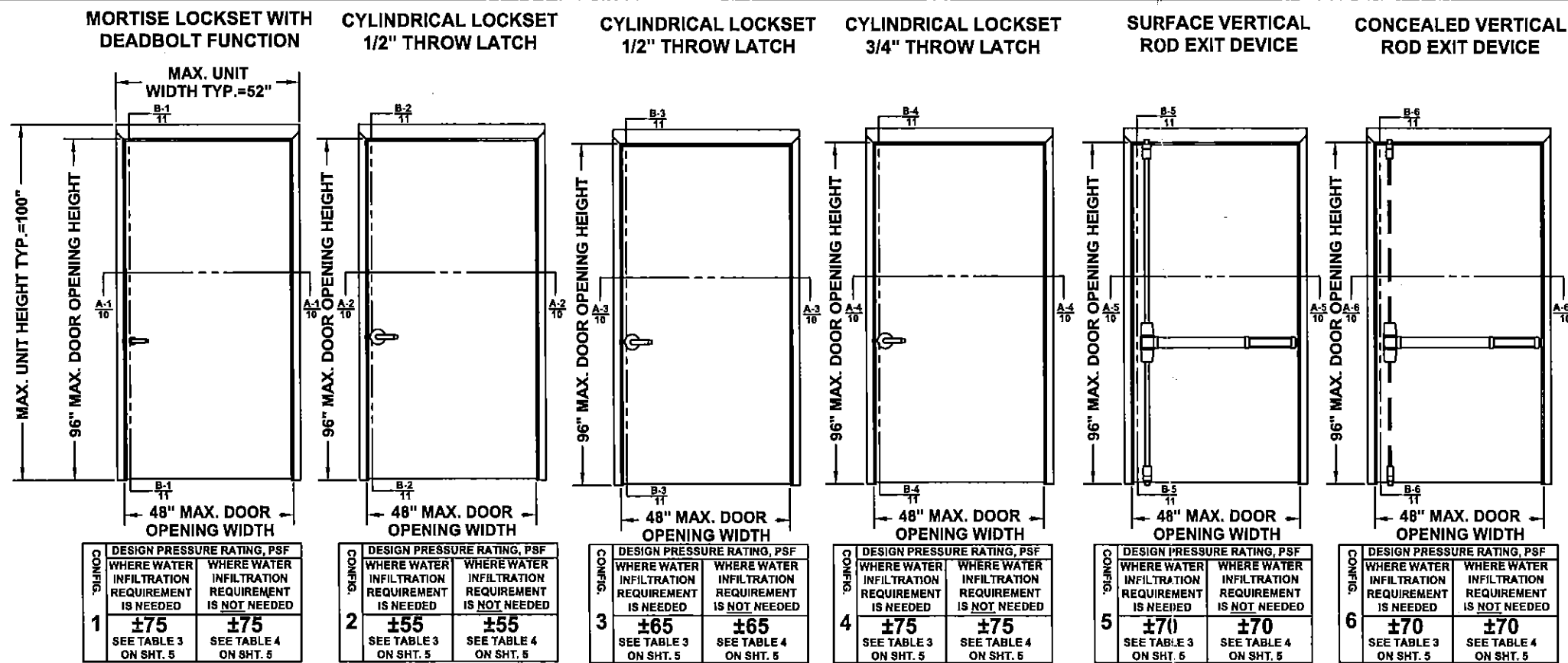
G. OTHER

1. This NOA **revises & renews** NOA #13-1217.16, expiring on 05/05/17.
2. **One** year conditional approval, subjected to successful verification test.
3. Request for 1-Year renewal by Schlage Company dated 02/02/16, signed by James Donlan.
4. Test proposals # 14-0252, -0254, #14-1086, #14-0254-R1 and #12-0797R approved by RER.
5. Consolidation Test proposal # 06-2468, dated 04/27/07 approved by BCCO.
6. Previously consolidates NOA (s) associated with this files are NOA #10-0209.07, 07-0829.04, 02-0712.01, 02-0712.03, 03-0908.03, 04-0203.03, 04-0303.03 and 05-0103.01.
7. Technical brochures of butt Hinges, continuous Hinges, Schlage & Falcon Mortise Locks, Supplied by Schlage Company (former Ingersoll-Rand).



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 15-0826.23

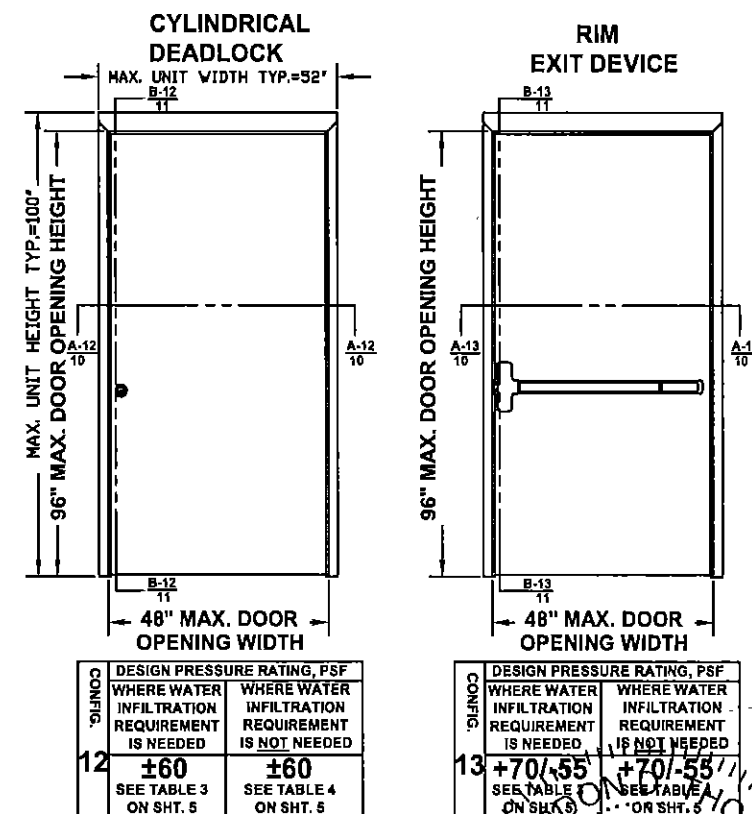
Expiration Date: May 05, 2017
Approval Date: March 31, 2016



COMPLIANCE STATEMENT:
 1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS201, 202 & 203-94 AND COMPLY WITH THE CURRENT FLORIDA BUILDING CODE.

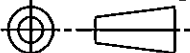
NOTES:
 1. INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS
 2. SEE TABLE 1 ON SHEET 2 FOR HARDWARE APPLICATIONS AND LIMITATIONS
 3. SEE SHEET 3 & 13 FOR HINGE REQUIREMENTS
 4. SEE SHEET 4 FOR ANCHORING TYPES AND LIMITATIONS
 5. SEE SHEET 5 FOR WEATHERSTRIPPING INSTALLATION DETAILS AND LIMITATIONS
 6. SEE SHEET 4 AND 5 FOR SILL INSTALLATION DETAILS

R E V I S I O N S				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
D	REVISED DWG	YMF	01/04/08	
E	REVISED DWG	YMF	03/31/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	01/20/10	
H	REVISED DWG	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	
L	REVISED DWG	JPD	05/05/15	



PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 15-0826-23
 Expiration Date: 04/05/2017
Shang L. Chang
 Mr. David Product Control

PROFESSIONAL ENGINEER
 No. 46718
 Date: 8/11/15
 Gordon Thomas, P.E.
 3759 Blossom Court
 Mason, OH 45040
 Florida # 46718

BEND RADIUS				SCHLAGE LOCK COMPANY, LLC		MANUFACTURING FACILITY:	
				6810 HILLSDALE COURT		STEELCRAFT	
				INDIANAPOLIS, IN 46250		9017 BLUE ASH ROAD	
THIRD ANGLE PROJECTION		CINCINNATI, OH 45242					
DRAWN		DATE		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS			
YMF		05/20/07		WITH AND WITHOUT PANIC EXIT DEVICES			
CHECKED				MIAMI-DADE COUNTY PRODUCT APPROVAL			
				FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS			
				COMMERCIAL DOOR OPENING SINGLE FLUSH DOORS.			
APPROVED		SIZE		FLAT		DWG NO.	
						IRFS07	
ENG. APPVL						REV	
JPD		10/11/07				L	
		SCALE:		NTS		AUTOCAD	
						SHEET 1 of 13	

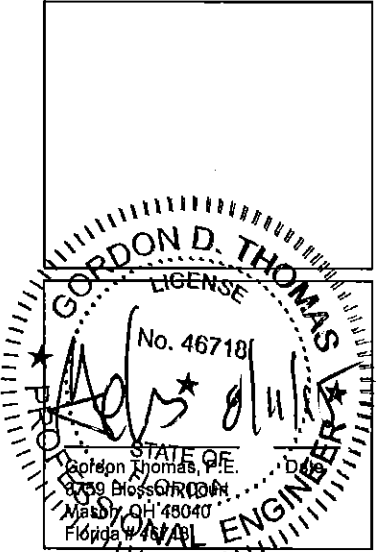
Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Locking Hardware Description				Comments
	Positive	Negative	Width	Height	Hardware Family	Model/Series	Strike Models	Brand	
1	75	75	48	96	Mortise Lock	L/LV9400/AD MD	10-072	Schlage	Functions with deadbolt, 3/4" min. throw latch & 1" min. throw deadbolt
	75	75	48	96	Mortise Lock	M	ANSI	Falcon	
2	55	55	48	96	Cylindrical Lock	AL	10-025	Schlage	1/2" throw latch
3	65	65	48	96	Cylindrical Lock	D/ND/AD CYL	10-025	Schlage	1/2" throw latch
4	75	75	48	96	Cylindrical Lock	D/ND/AD CYL	10-025	Schlage	3/4" throw latch
	75	75	48	96	Cylindrical Lock	T	ANSI	Falcon	3/4" throw latch
5	70	70	48	96	Surface Vertical Rod Exit Device	98/9927(F)	299F/499F Top, 304L/248L4 Bottom	Von Duprin	
	70	70	48	96	Surface Vertical Rod Exit Device	(F)25-V	3788 Top, 2130 Bottom	Falcon	
6	70	70	48	96	Concealed Vertical Rod Exit Device	98/9947-F	338 Top, 385A Bottom	Von Duprin	
	70	70	48	96	Concealed Vertical Rod Exit Device	F-25-C	4188 Top, 2130 Bottom	Falcon	
7	70	70	48	96	Three-Point Latching Device	98/9957(F)	299F/499F Top/Middle, 304L/248L4 Bottom	Von Duprin	
8	70	70	48	96	Rim Exit Device	98/99(F)	299F/499F	Von Duprin	
	70	70	48	96	Rim Exit Device	88-F	268	Von Duprin	
	70	70	48	96	Rim Exit Device	(F)DL-18-R	F570	Monarch	
9	75/100 SEE NOTE 2.	75/100 SEE NOTE 2.	48	96	Rim Exit Device	XP98/99(F)	909/954	Von Duprin	
10	70	70	48	96	Mortise Exit Device	98/9975(F)	575	Von Duprin	
	70	70	48	96	Mortise Exit Device	8875(F)	575	Von Duprin	
	70	70	48	96	Mortise Exit Device	(F)25-M	1279	Falcon	
11	55	55	48	96	Exit Alarm Lock	2670 GUARD-X	267	Von Duprin	
12	60	60	48	96	Cyl. Deadlock	B600/700/800	10-055	Schlage	
	60	60	48	96	Cyl. Deadlock	D400/800	010018-000/001	Falcon	
13	70	55	48	96	Rim Exit Device	(F)25-R	299F/499F	Falcon	

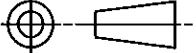
TABLE 1.

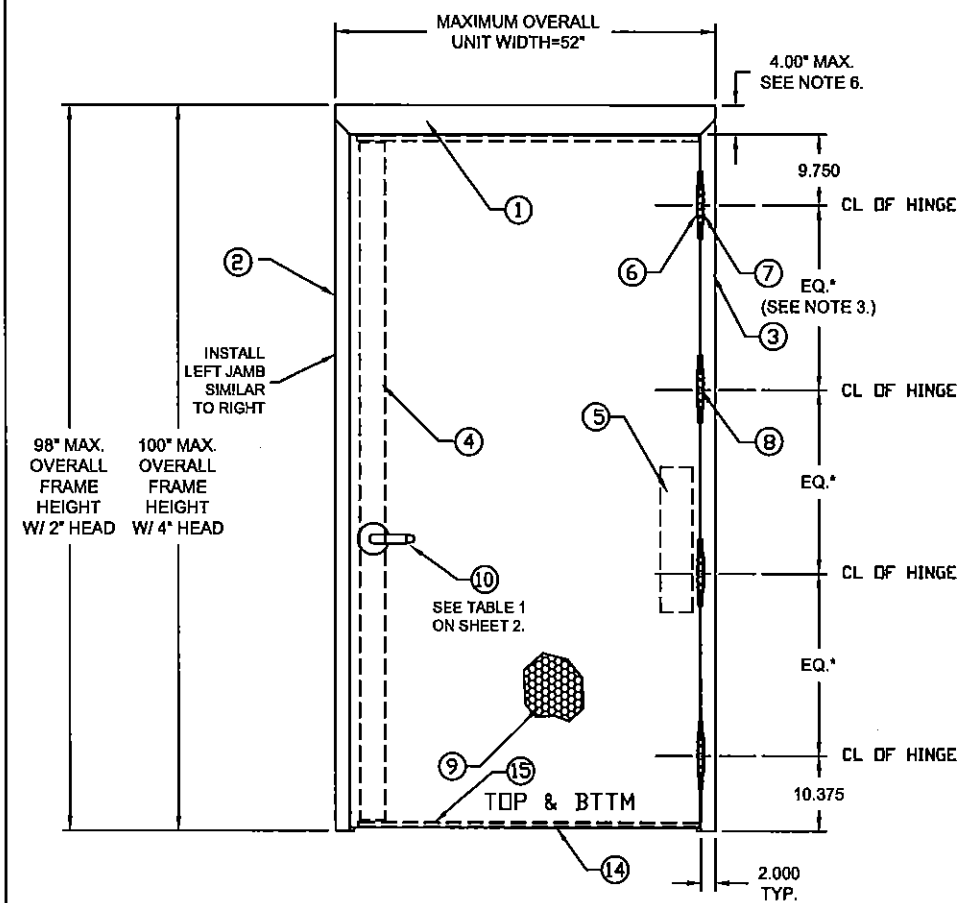
- NOTES:**
- 1. SEE SHEETS 7, 8 & 9 FOR LOCKING HARDWARE.
 - 2. DOOR CONFIGURATION 9 IS RATED FOR MAXIMUM DESIGN PRESSURE ±100 PSF WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED, AND UP TO +75 PSF WHEN WATER INFILTRATION REQUIREMENT IS NEEDED (SEE TABLE 3 ON SHT.5)
 - 3. SCHLAGE AL-SERIES CYLINDRICAL LOCK, DOOR CONFIGURATION 2, IS LIMITED TO ±55 PSF MAXIMUM DESIGN PRESSURE

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG YMF	05/20/07	
B	REVISED	DWG RAP	10/11/07	
C	REVISED	DWG RAP	12/10/07	
D	REVISED	DWG YMF	01/04/08	
E	REVISED	DWG YMF	03/31/08	
F	REVISED	DWG YMF	06/02/08	
G	REVISED	DWG YMF	03/03/09	
H	REVISED	DWG YMF	04/07/10	
J	REVISED	NAME JPD	11/01/13	
K	REVISED	DWG JPD	02/01/15	

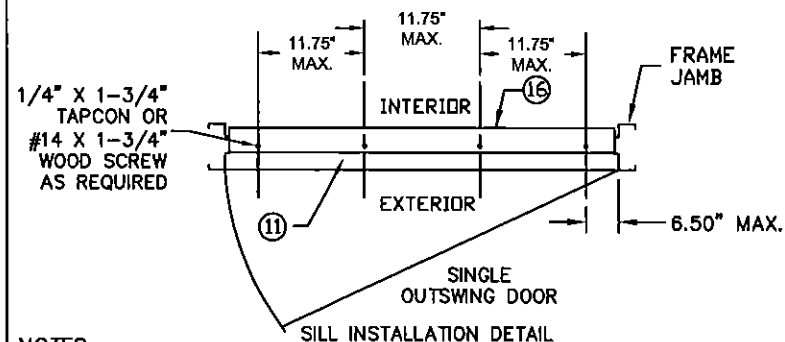
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0826-23
Expiration Date 5/5/17
By: [Signature]
Manufacturer Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
						
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
DRAWN YMF'	DATE 05/20/07	MIAMI-DADE COUNTY PRODUCT APPROVAL FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE FLUSH DOORS.				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. IRFS07	REV K	
ENG. APPVL JPD	10/11/07	SCALE: NTS	AUTOCAD		SHEET 2 of 13	

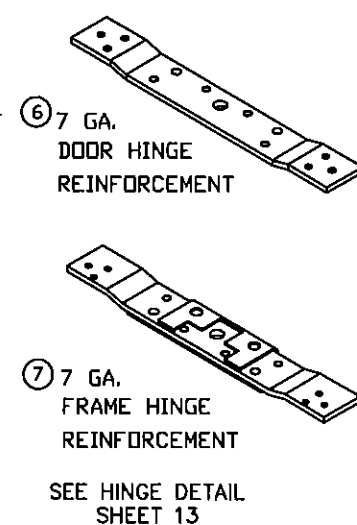


OUTSWING SINGLE FLUSH DOOR
(EXTERIOR VIEW)
ALL DIMENSIONS TYPICAL, UNLESS SPECIFIED OTHERWISE

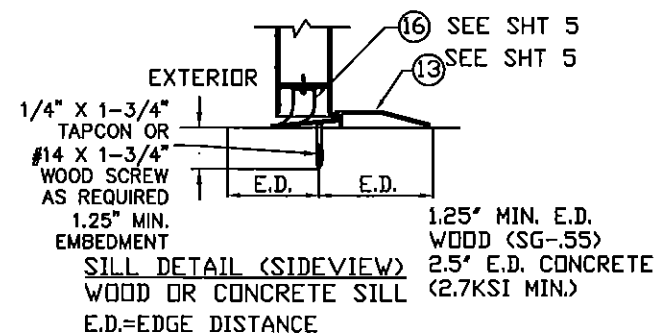


NOTES:

- ONE ROW OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD. INSTALL PER SHT.5
- ANCHOR REQUIREMENTS:
SEE SHEET 4 FOR APPROVED ANCHORS AND INSTALLATION.
- HINGE REQUIREMENTS: 4.5" STD WT. MIN.
FOR DOOR OPENING UP TO 90" HIGH - MIN (3) HINGES
FOR DOOR OPENING OVER 90" - 96" HIGH - MIN (4) HINGES
STD LOCATIONS: 9.75" FROM RABBIT IN HEAD TO CL OF TOP HINGE
10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED
IN BETWEEN. HINGE LOCATIONS MAY VARY, MAX SPACING DO NOT EXCEED 35.5"
APPROVED CONTINUOUS HINGE MODELS: IVES 112 HD, 224HD, 600, 700, 700CS, MARKAR FM-300,
HG-305, STANLEY 661HD, HAGER 780-224HD, 790-900, SELECT SL11HD, ABH A500 & A240HD(SEE SHEET 13)
- SEE SHEET 2 & 3 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
- HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
- 4" FACE HEAD IS AVAILABLE FOR FRAMES.
- APPLY CAULK AS NEEDED.
- WEATHERSTRIPPING, SEE SHEET 5.
-WHEN WATER INFILTRATION IS NOT NEEDED INSTALL WEATHERSTRIPPING PER SHT.5.
-ONE ROW OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD.
-WHEN WATER INFILTRATION IS REQUIRED - INSTALL PER SHT.5.
- SEE SHEET 10 FOR SECTION A-A, SEE SHEET 11 FOR SECTIONS B-B.
- ELECTRICAL INSTALLATION AND FIRE RATINGS ARE UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
- OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTAL MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICE OR LOCK AND/OR INHIBIT EGRESS; TO BE REVIEWED BY THE BUILDING OFFICIAL.
- ITEMS 18 THROUGH 23 REQUIRED ONLY IF WATER INFILTRATION IS NEEDED. (SEE SHEET 5)



SEE HINGE DETAIL
SHEET 13



PRODUCT REVISED
in compliance with the Florida
Building Code
Acceptance No. 15-0826-23
Expiration Date 5/5/17
By: [Signature]
Miami Dade Product Control

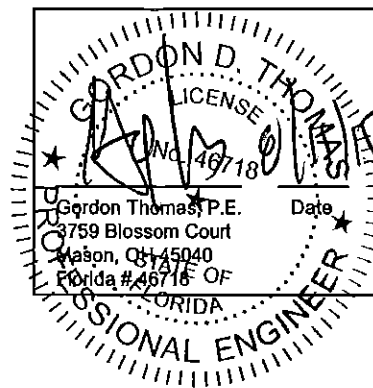
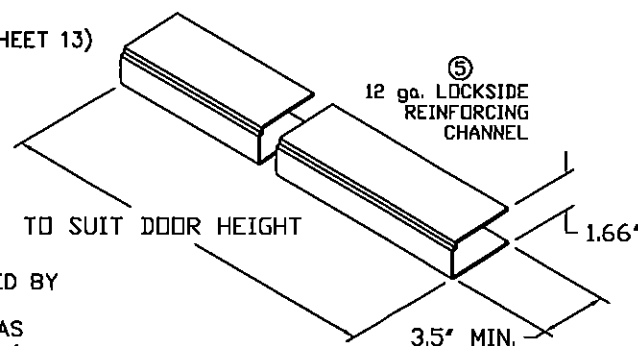
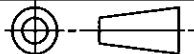
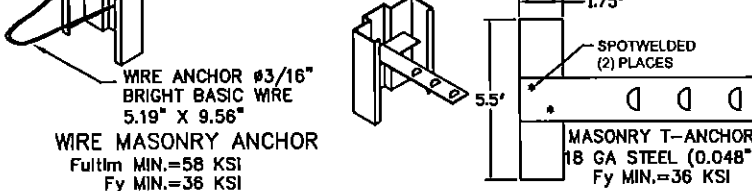
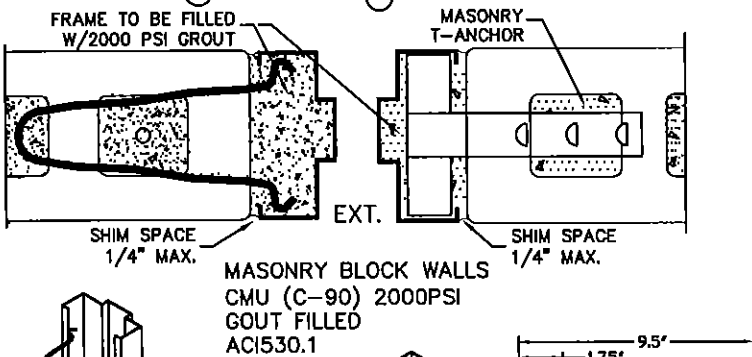
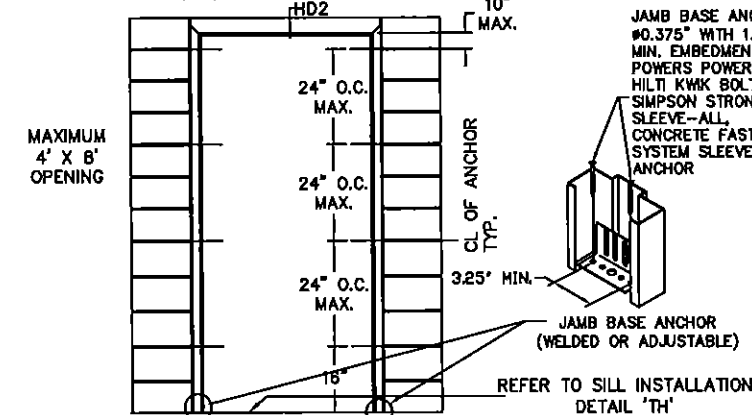


TABLE 2.

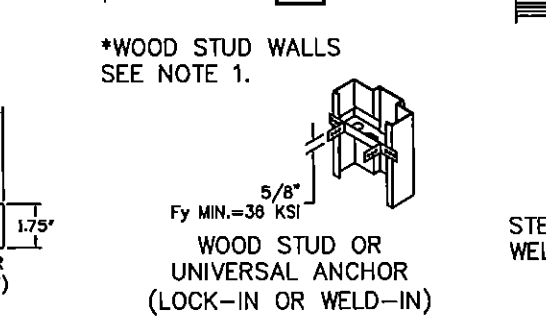
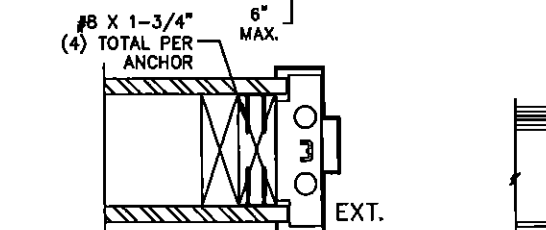
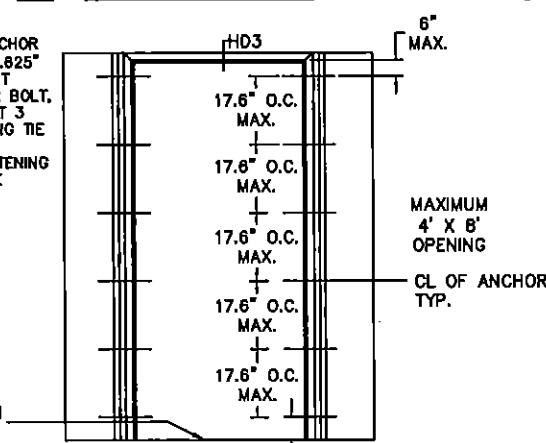
	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SEE SHT 6 ASTM A366	.053" MIN. STL	MAX. 52"
2	1	STRIKE JAMB SEE SHT. 6 ASTM A366	.053" MIN. STL	MAX. 100"
3	1	HINGE JAMB SEE SHT 6 ASTM A366	.053" MIN. STL	MAX. 100"
4	1	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5 X 93.44 MAX
5	1	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"
6	NOTE 3.	HINGE REINFORCEMENT DOOR ASTM A621	.167" MIN. STL.	1.28' X 9.19'
7	NOTE 3.	HINGE REINFORCEMENT FRAME ASTM A621	.167" MIN. STL.	1.3' X 9.187' MAX.
8	NOTE 3.	4.5' X 4.5' BUTT HINGES	.134" MIN. STL.	(8) #12-24 MS PER HINGE
9	1	OPTIONAL CONTINUOUS HINGE	.075" MIN. STL/110 ALUM	MAX. 95"
10	1	LOCKING HARDWARE - SEE SHEET 2, TABLE 1		
11	1	THRESHOLD SILL W/BUMPER GASKET		
12	NOTE 2.	JAMB ANCHOR ASTM A924	SEE SHEET 4	
13	3	PS074 WEATHER STRIPPING	TPE	MAX. 24'
14	1	FAS-SEAL DOOR SWEEP	TPE	MAX. 47.66'
15	1	END CHANNEL ASTM A924 (14 GA - INVERTED)		.69' X 1.66' X 47.66' MAX.
16	AS NEEDED	BUTYL RUBBER OR 100% SILICONE		
17	1	DOOR SLAB (16 OR 14 GA)	SEE SHEET 6	4' X 8' MAX.
18	1	BY ZERO INT'L DOOR SEAL No.8144S/FS		
19	2	BY STEELCRAFT DOOR SEAL PS074		
20	1	BY ZERO INT'L DOOR SWEEP No.539		
21	1	BY NGP DOOR SWEEP No.202N		
22	1	BY ZERO INT'L DOOR SWEEP No.139		
23	1	BY NGP OMIT		
24	1	BY ZERO INT'L ADJUSTABLE STOP No.475		
25	1	BY NGP ADJUSTABLE STOP No.170N		
26	1	BY ZERO INT'L RAIN DRIP No.11		
27	1	BY NGP DRIP CAP No.16A		
28	1	TOP CAP GALV. A60 ASTM A924	.020" MIN. STL	0.5' X 1.76' X 48' MAX.
29	1	IVES 698/U698 DOOR VIEWER	BRASS	

BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION				TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF		DATE 05/20/07		MIAMI-DADE COUNTY PRODUCT APPROVAL H-SERIES FLUSH SINGLE DOORS (OUTSWING)			
CHECKED							
APPROVED		SIZE FLAT		DWG NO. IRFS07		REV L	
ENG. APPVL JPD		10/11/07		SCALE NTS		AUTOCAD	
						SHEET 3 of 13	

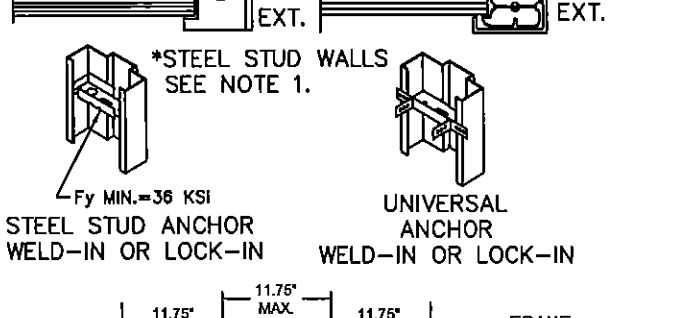
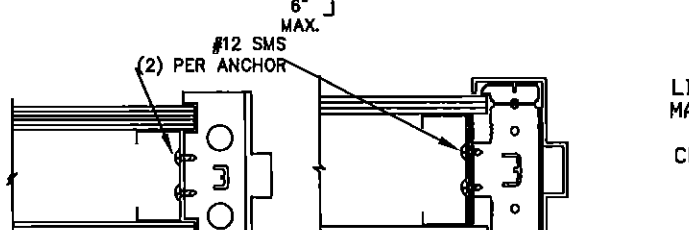
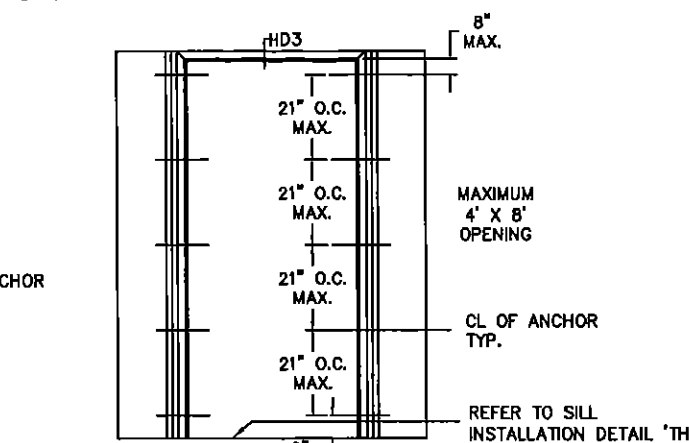
A WIRE OR T MASONRY ANCHOR INTO GROUT FILLED FRAME AND BLOCK WALL



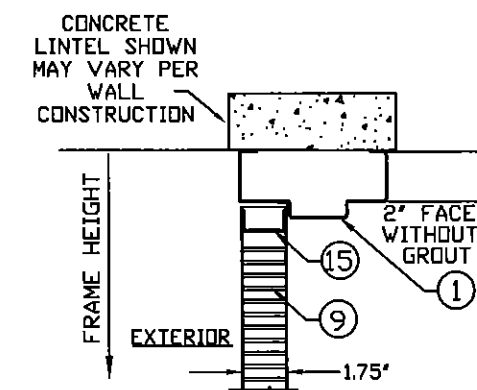
B WOOD STUD ANCHOR



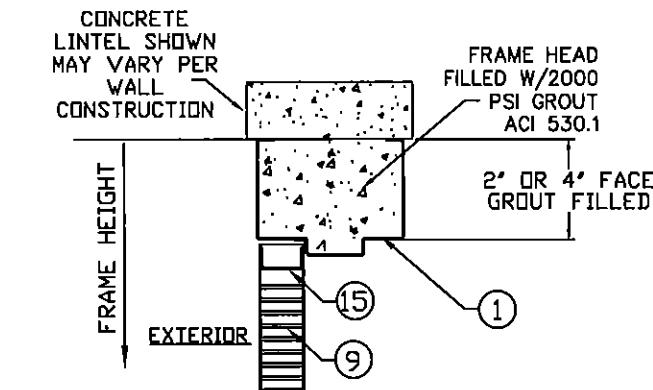
C STEEL STUD ANCHOR



REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
D	REVISED DWG	YMF	01/04/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	03/03/09	
H	REVISED DWG	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	
L	REVISED DWG	JPD	05/05/15	

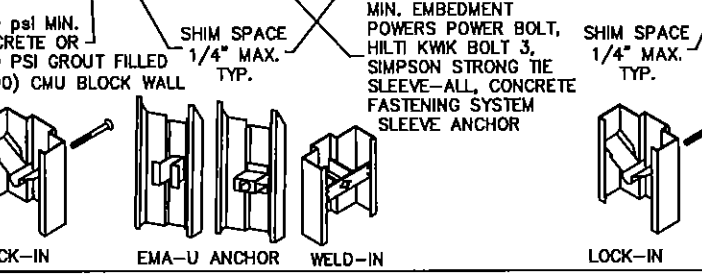
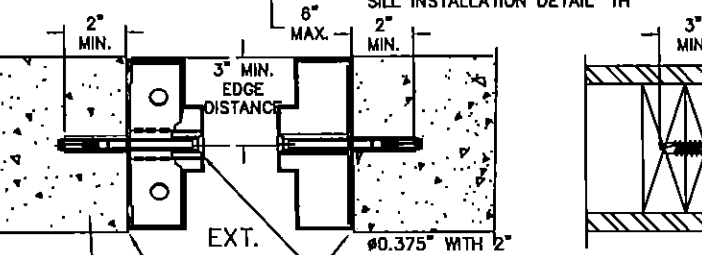
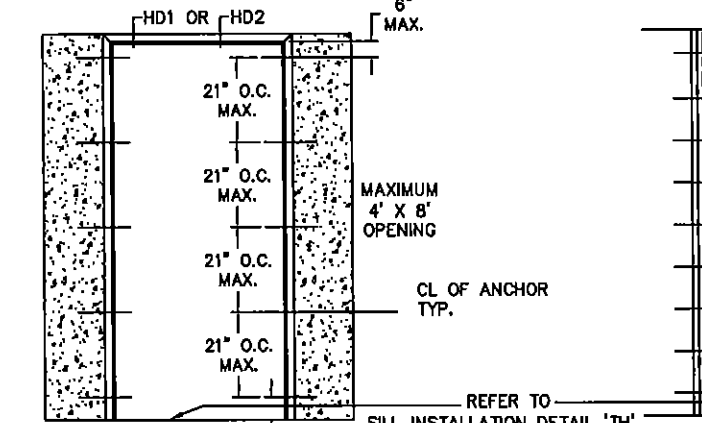


HD1 - FRAME HEAD SECTION

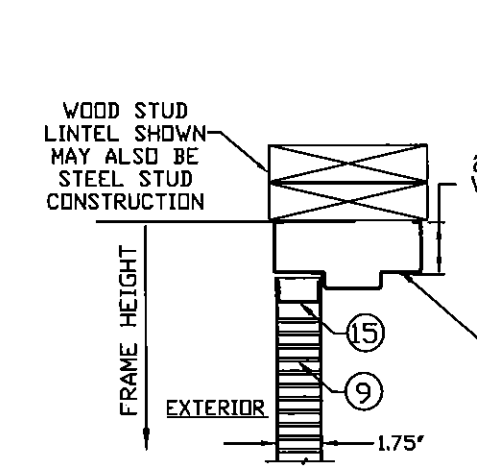
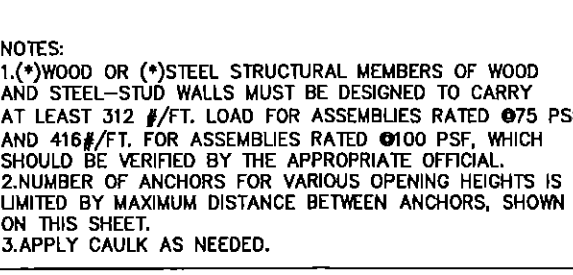
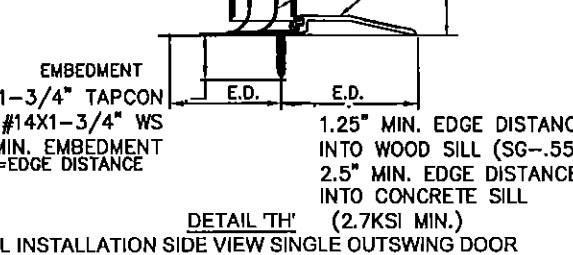
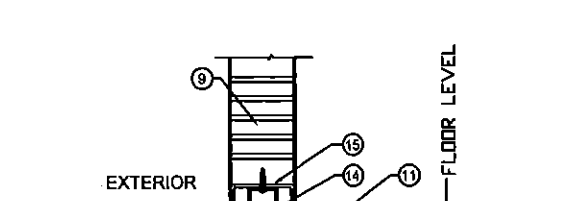
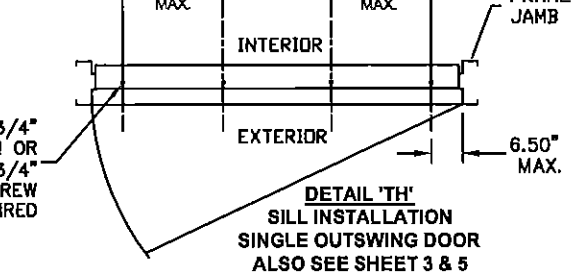
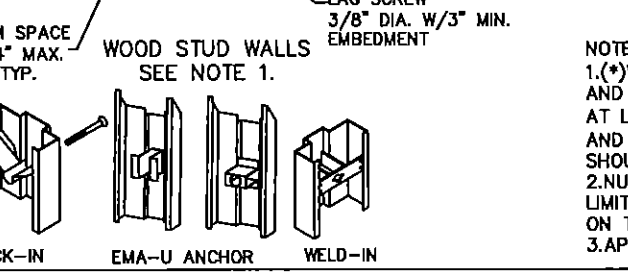
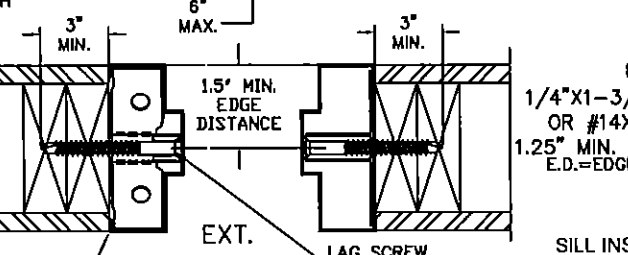
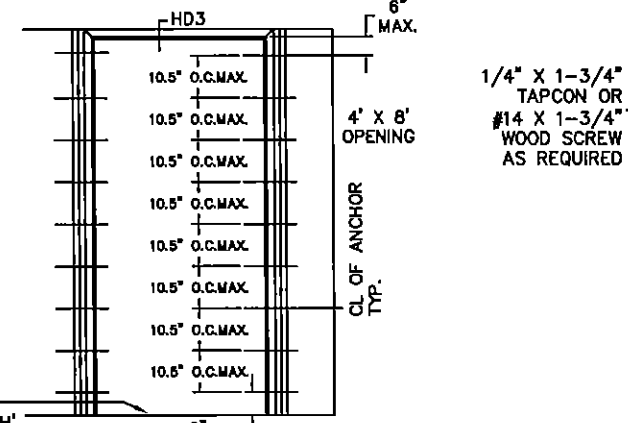


HD2 - FRAME HEAD SECTION

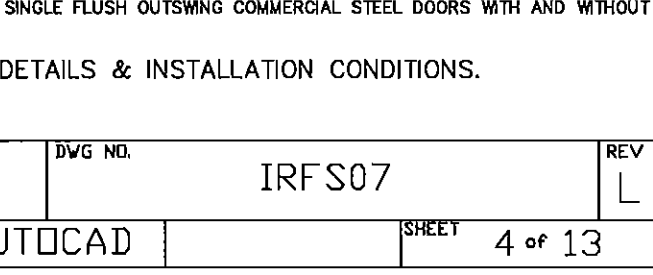
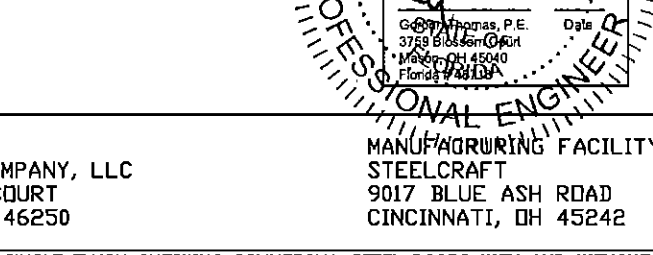
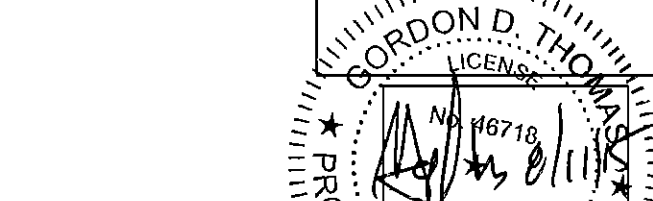
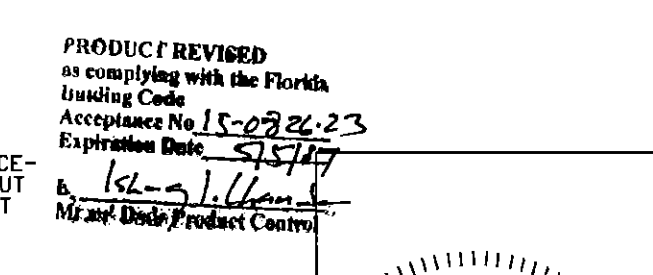
D EXISTING MASONRY ANCHOR (EMA) INTO CONCRETE WALL OR CMU



E EXISTING MASONRY ANCHOR (EMA) WITH LAG BOLT INTO WOOD STUD WALL



HD3 - FRAME HEAD SECTION



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0726-23
Expiration Date 5/5/17
by 15-0726-23
Manufacturer Product Control

GORDON D. THOMAS
LICENSE
No. 46718
Date 01/11/18
Gordon Thomas, P.E.
3759 Blossom Court
Mokena, OH 45040
Florida 948109

MANUFACTURING FACILITY:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

SCHLAGE LOCK COMPANY, LLC
6810 HILLDALE COURT
INDIANAPOLIS, IN 46250
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES
FRAME ANCHOR DETAILS & INSTALLATION CONDITIONS.
SIZE FLAT DWG NO. IRFS07
SCALE: NTS AUTOCAD
SHEET 4 of 13

NOTES:
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED 75 PSF, AND 416 #/FT. FOR ASSEMBLIES RATED 100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. APPLY CAULK AS NEEDED.

BEND RADIUS
THIRD ANGLE PROJECTION
DRAWN YMF
CHECKED
APPROVED
ENG. APPVL JPD
DATE 05/20/07
10/11/07

DATE 05/20/07

DATE 05/20/07

DATE 05/20/07

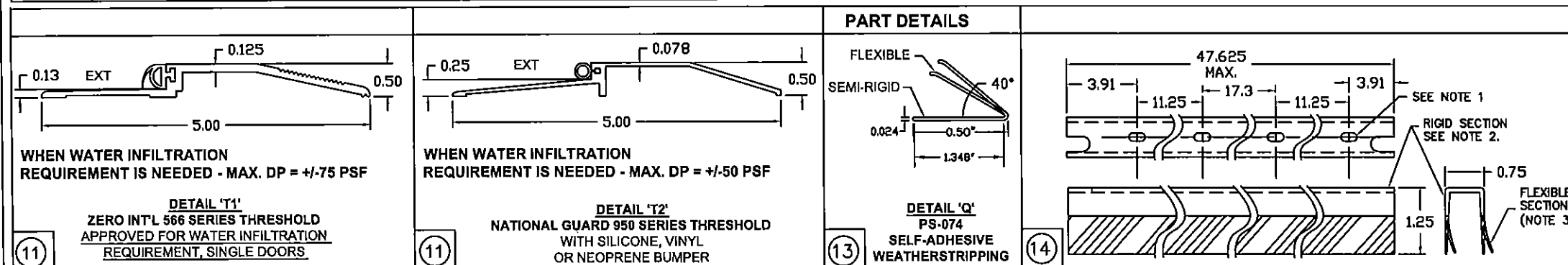
PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES APPLY					
ITEM NUMBER SHT 3. TABLE 2	DESCRIPTION	MAX ALLOWABLE DESIGN PRESSURE, PSF, UP TO*	MODEL No./ MANUFACTURER	PART DETAIL	INSTALL PER DETAIL
11	THRESHOLD	+75	566/ZERO INT'L	'T1'	'P1'
			950/NGP	'T2'	'P2'
14	FAS-SEAL SWEEP	+75	STEELCRAFT	'S'	'P1' & 'P2'
18 OR 13	SELF ADHESIVE DOOR SEAL	+75	8144S/FS/ZERO INT'L	'U'	'M' & 'N'
			PS074/STEELCRAFT	'Q'	
19	DOOR SWEEP	+75	539/ZERO INT'L	'W1'	'N'
			202N/NGP	'W2'	
20	DOOR SWEEP	+75	139/ZERO INT'L	'X'	'P1'
21	ADJUSTABLE STOP	+75	475/ZERO INT'L	'Y1'	'M'
			170N/NGP	'Y2'	
22	RAIN DRIP CAP	+75	11/ZERO INT'L	'Z1'	'P1'
			16A/NGP	'Z2'	'P2'
23	DOOR TOP CAP	+75	STEELCRAFT	'R'	'M'

PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES NOT APPLY				
ITEM NUMBER SHT 3. TABLE 2	DESCRIPTION	MODEL No. MANUFACTURER	PART DETAIL	INSTALL PER DETAIL
11	THRESHOLD	566 BY ZERO INT'L	'T1'	'K'
		950 BY NATIONAL GUARD	'T2'	
14	FAS-SEAL DOOR SWEEP	STEELCRAFT	'S'	'K'
13	PS-074 SELF ADHESIVE WEATHERSTRIPPING	STEELCRAFT	'Q'	'J' & 'L'
23	DOOR TOP CAP	STEELCRAFT	'R'	OPTIONAL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No _____
Expiration Date _____
By _____
Miami Dade Product Control

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
4. FAS-SEAL DOOR SWEEP (14), AND THRESHOLD (11) ARE REQUIRED FOR ALL INSTALLATIONS.

LTR	DESCRIPTION	DATE	APPROVED
B	REVISED DWG RAP	10/11/07	
C	REVISED DWG RAP	12/10/07	
D	REVISED DWG YMF	01/07/07	
E	REVISED DWG YMF	04/03/08	
F	REVISED DWG YMF	06/03/08	
G	REVISED DWG YMF	03/03/09	
H	REVISED DWG YMF	04/07/10	
J	REVISED NAME JPD	11/01/13	
K	REVISED DWG JPD	02/01/15	
L	REVISED DWG JPD	05/05/15	



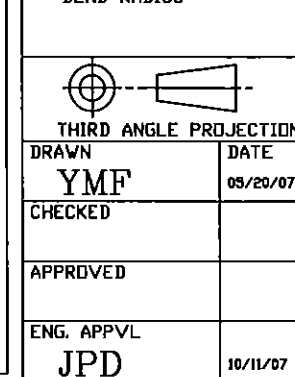
<p>DETAIL 'U' ZERO 8144S/FS DOOR SEAL</p>	<p>DETAIL 'W1' ZERO 539 DOOR SWEEP</p>	<p>DETAIL 'W2' NGP 202 DOOR SEAL</p>	<p>DETAIL 'X' ZERO 139 DOOR SWEEP</p>	<p>DETAIL 'Y1' ZERO 475 ADJUSTABLE STOP</p>	<p>DETAIL 'Y2' NGP 170N ADJUSTABLE STOP</p>	<p>DETAIL 'Z1' ZERO 11 RAIN DRIP CAP</p>	<p>DETAIL 'Z2' NGP 16 RAIN DRIP CAP</p>	<p>DETAIL 'R' 24 GA TOP CAP</p>
--	---	---	--	--	--	---	--	--

DETAIL 'N1'
HINGE JAMB SWEEP INSTALLATION

DETAIL 'M'
TOP OF DOOR/HEAD WEATHERSTRIPPING

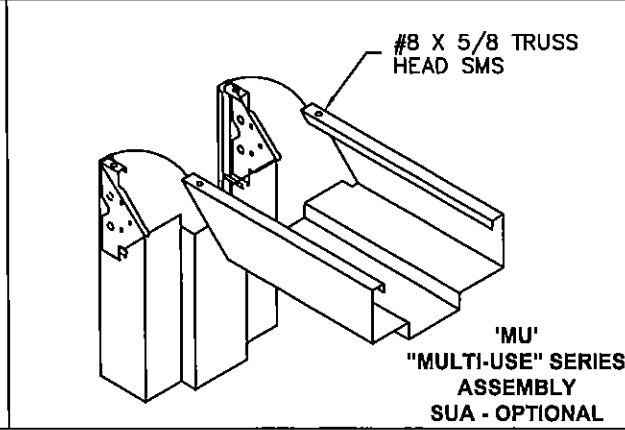
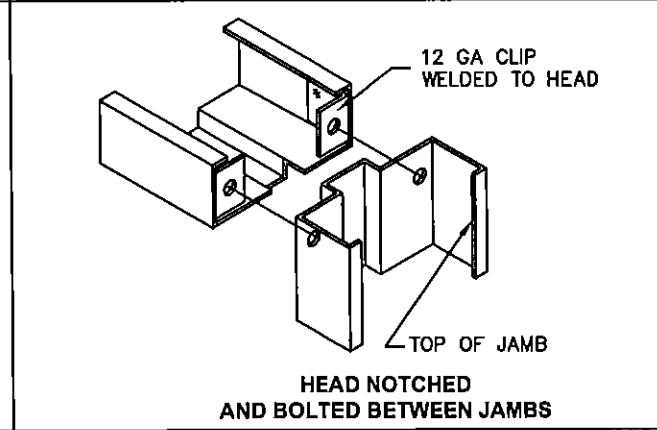
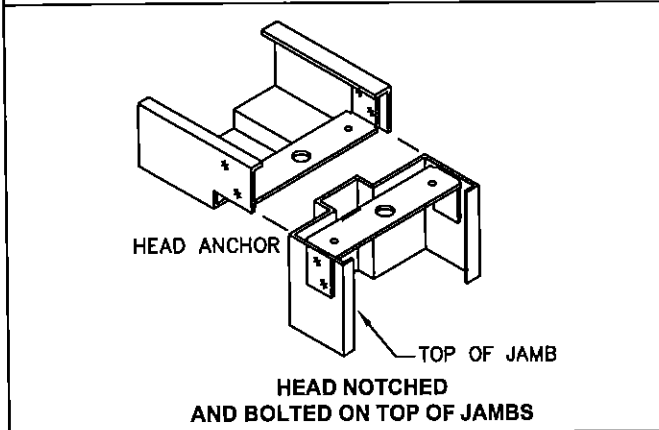
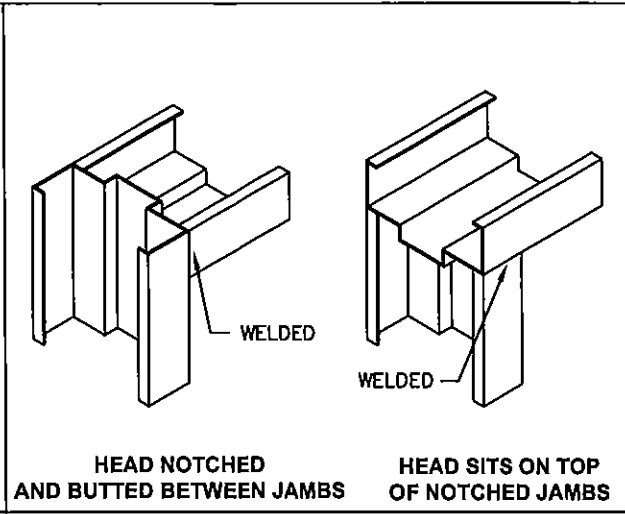
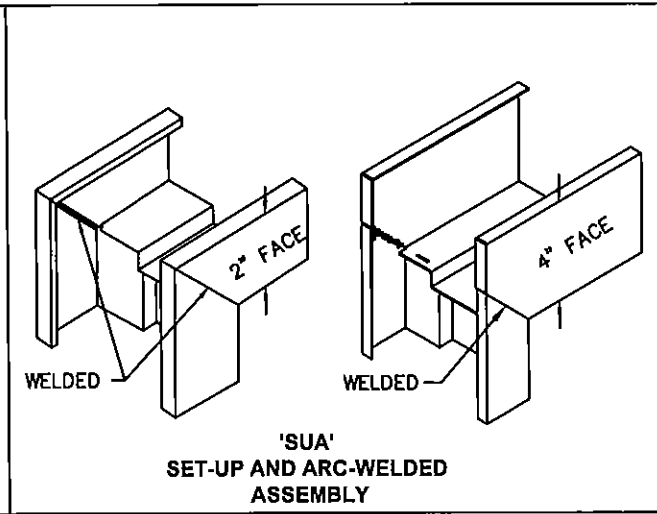
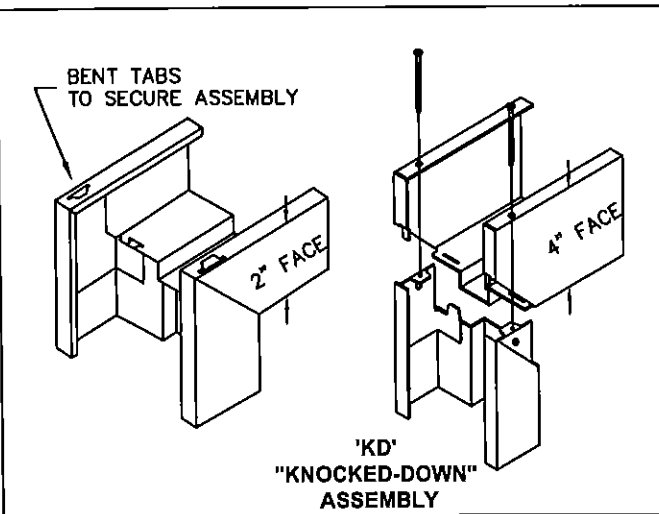
DETAIL 'P1'
BOTTOM OF DOOR ZERO WEATHERSTRIPPING AND SILL INSTALLATION

DETAIL 'P2'
BOTTOM OF DOOR NGP WEATHERSTRIPPING AND SILL INSTALLATION



SINGLE FLUSH DOOR PERIMETER SEAL HARDWARE.

SIZE	FLAT	DWG NO.	IRFS07	REV	L
SCALE	NTS	AUTOCAD		SHEET	5 of 13



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0826-23
Expiration Date 5/5/17
By: [Signature]
Mason, Ohio Product Control

R E V I S I O N S					
LTR	DESCRIPTION			DATE	APPROVED
C	REVISED	DWG	RAP	12/10/07	
D	REVISED	DWG	YMF	01/08/08	
E	REVISED	DWG	YMF	04/08/08	
F	REVISED	DWG	YMF	06/03/08	
G	REVISED	DWG	YMF	03/03/09	
H	REVISED	DWG	YMF	04/07/10	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	DWG	JPD	02/01/15	

TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

CORE MATERIAL PER SHT.12	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	VARIES SEE SHEET 2 TABLE 1		CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	VARIES SEE SHEET 2 TABLE 1		STAINLESS STEEL	16/.053"

TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" NOM.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" NOM.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067"

TABLE 7. STEEL DOOR/FRAME
MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A366	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV: A60	A924	MIN. 31.2	MIN. 73.2
SS: 304,316	A240		

NOTES:

1. DOOR CONSTRUCTION

1.1. NOMINAL DOOR THICKNESS - 1 3/4"

1.2. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT(DOOR, FRAME AND HARDWARE) AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 FOR AVAILABLE HARDWARE)

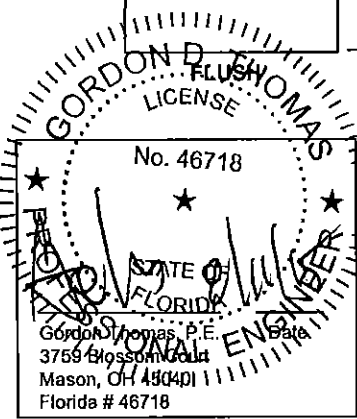
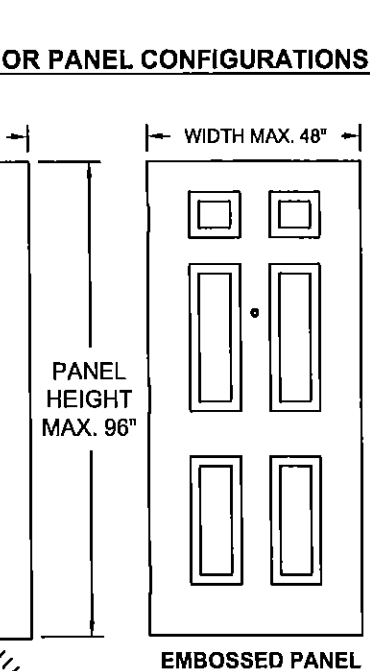
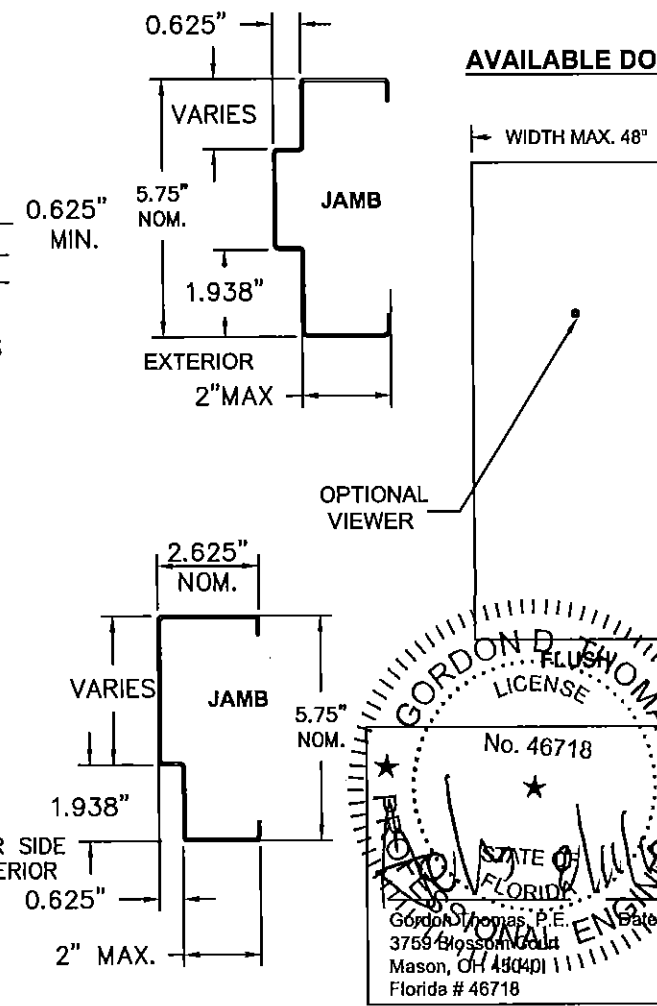
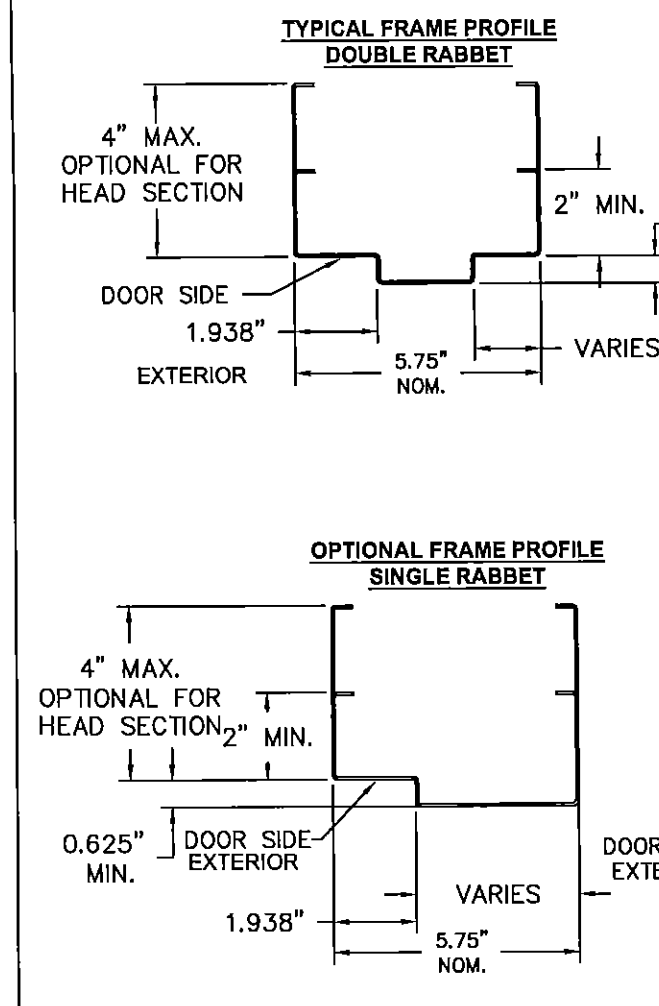
1.3 DOOR VIEWERS ARE PERMITTED TO BE USED IN DOOR WITH A DESIGN PRESSURE OF +/-75PSF OR LESS. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION.

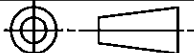
2. FRAME CONSTRUCTION

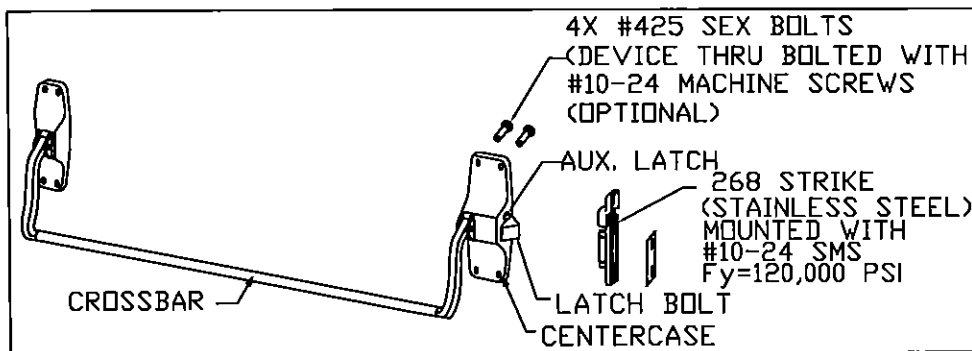
2.1 NOMINAL JAMB DEPTH - 5-3/4", STOP HEIGHT - 5/8"

2.2 FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE 6)

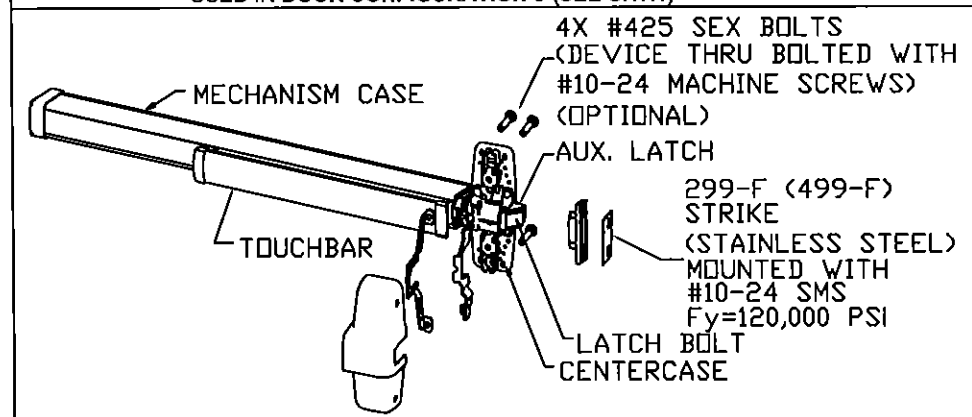
3. FOR DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 7.



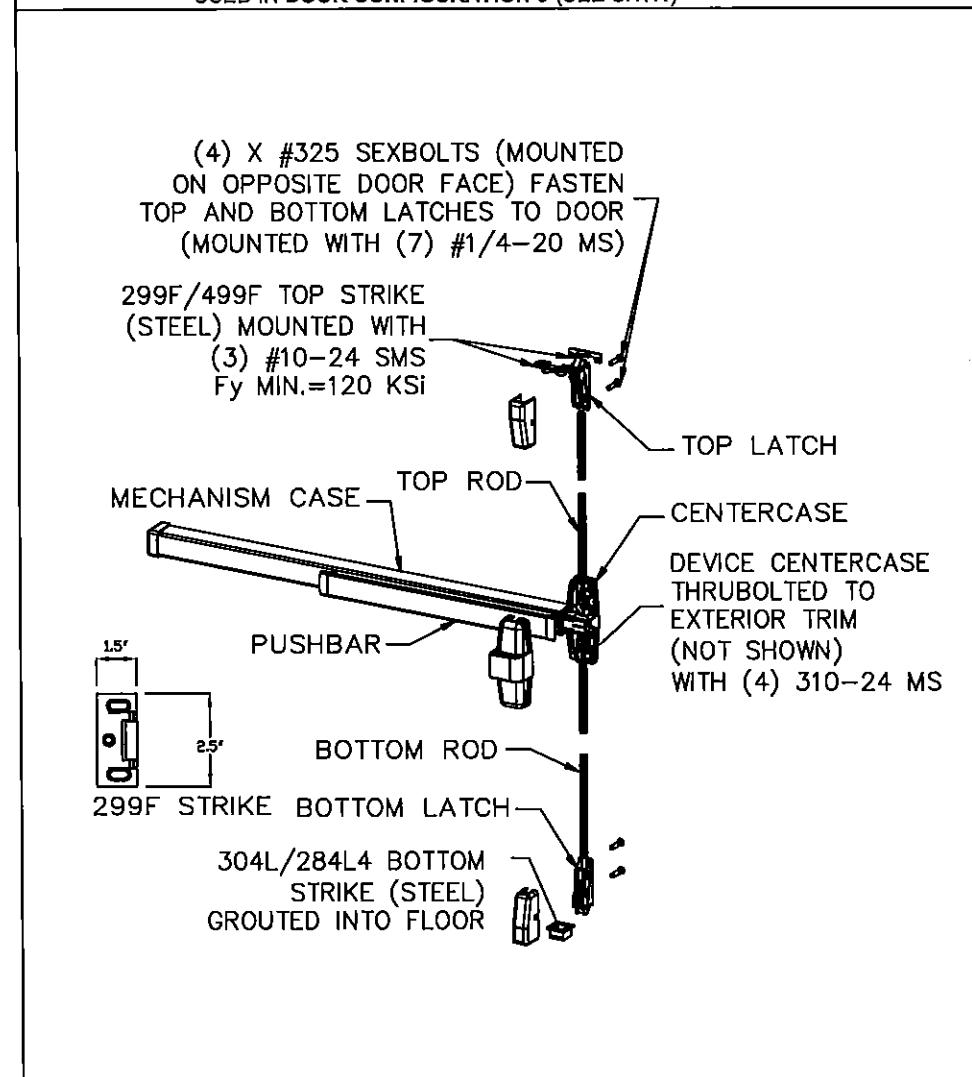
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. IRFS07	REV K
ENG. APPVL JPD	10/11/07	SCALE: NTS	AUTOCAD		SHEET 6 of 13



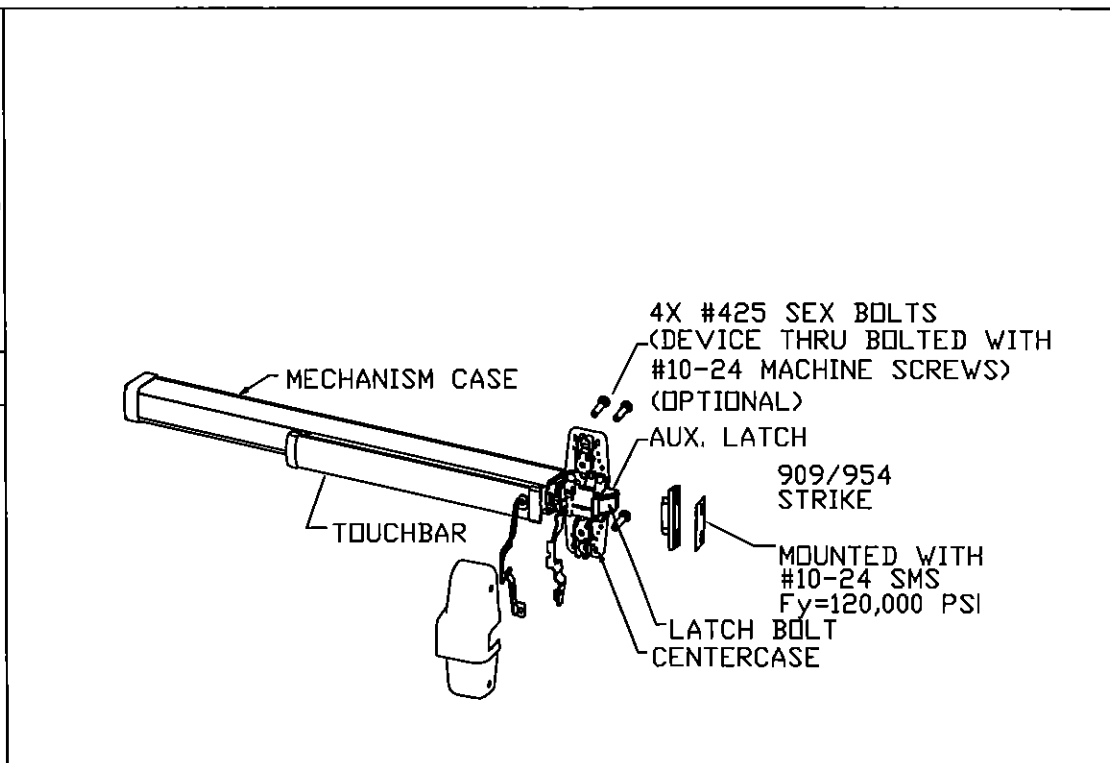
RIM EXIT DEVICE VON DUPRIN 88-F
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)



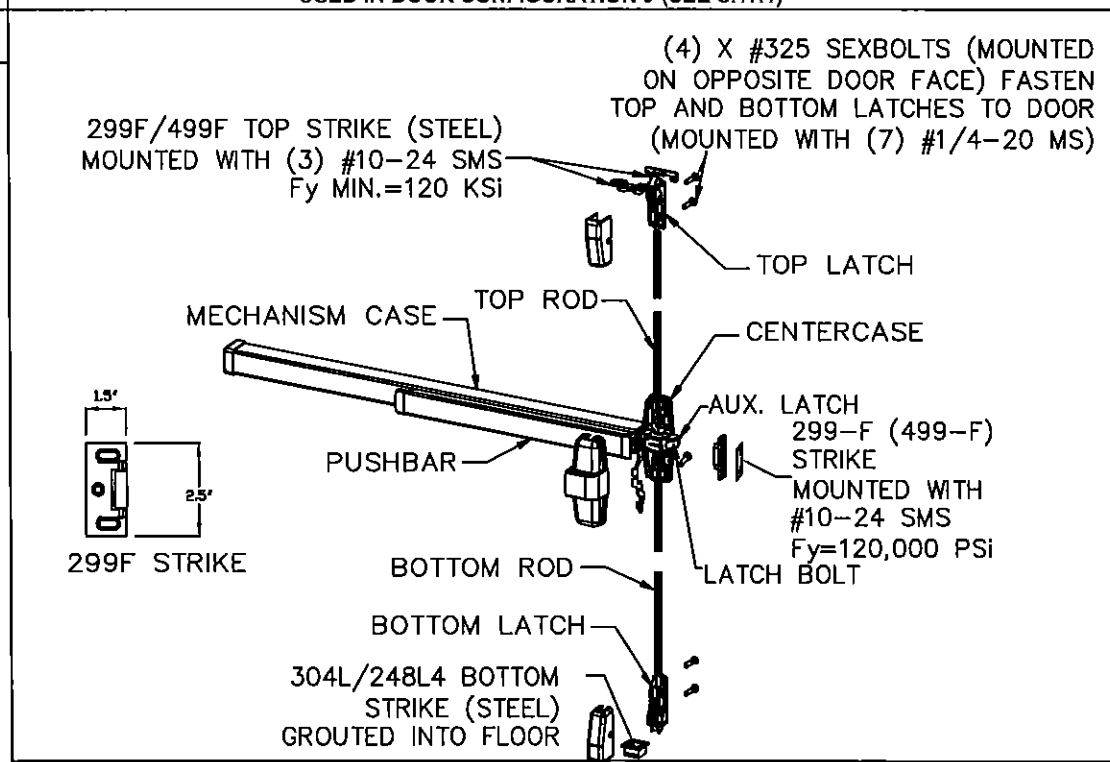
RIM EXIT DEVICE VON DUPRIN 98/99(F)
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)



SURFACE VERTICAL ROD EXIT DEVICE VON DUPRIN 98/9927(F)
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)



RIM EXIT DEVICE VON DUPRIN XP98/99(F)
USED IN DOOR CONFIGURATION 9 (SEE SHT.1)



THREE-POINT EXIT DEVICE VON DUPRIN 98/9957(F)
USED IN DOOR CONFIGURATION 7 (SEE SHT.1)

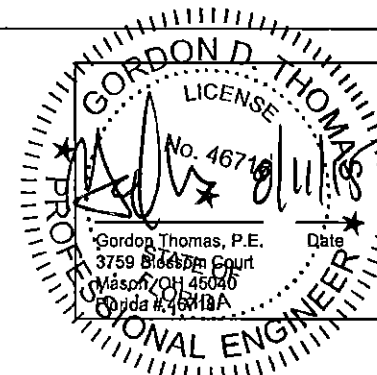
NOTES:
ELECTRIC/ELECTRONIC FUNCTION AND FIRE RATINGS ARE NOT PART OF THIS
APPROVAL AND MUST BE REVIEWED BY AUTHORITY HAVING JURISDICTION

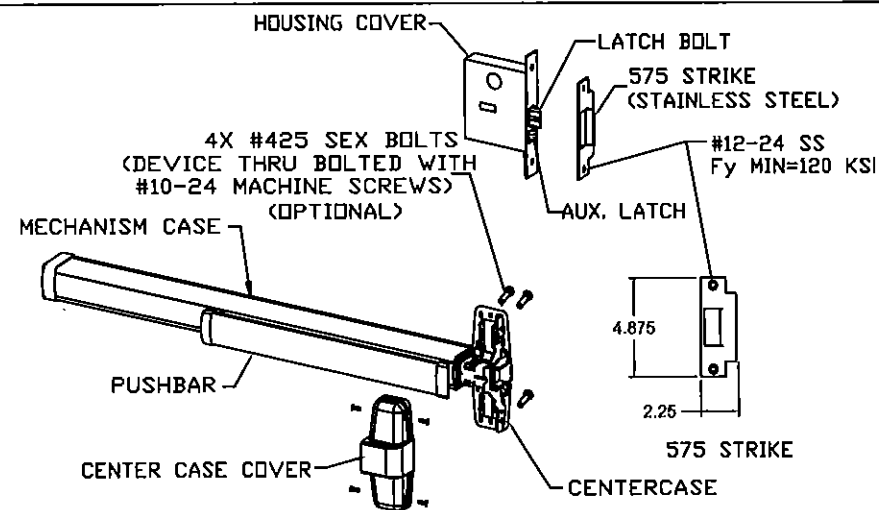
EXIT HARDWARE OPTIONS:
FOR 98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F, ALK
FOR XP98/99 SERIES - E, RX, LX, QEL, F
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
PN MODEL OFFERED.

BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN YMF	DATE 05/20/07
CHECKED	CDATE
APPROVED	ADATE
ENG. APPVL JPD	EDATE 10/11/07

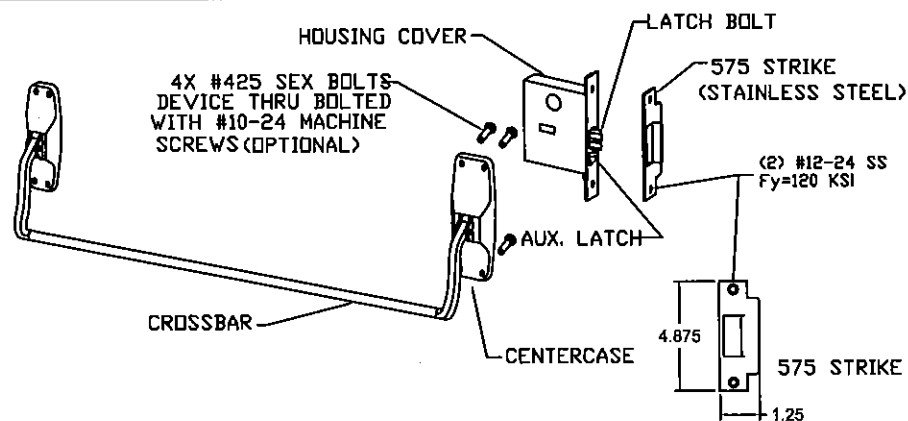
SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242			
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES						
EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS						
SIZE	FLAT	DWG NO.			IRFS07	REV K
SCALE	NTS	AUTOCAD	SHEET			7 of 13

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0826-23
Expiration Date 5/5/17
By: [Signature]
Product Control

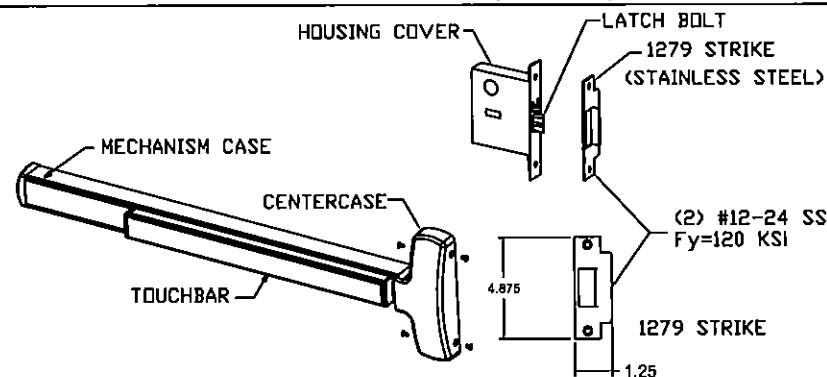




MORTISE EXIT DEVICE VON DUPRIN 98/9975(F)
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)



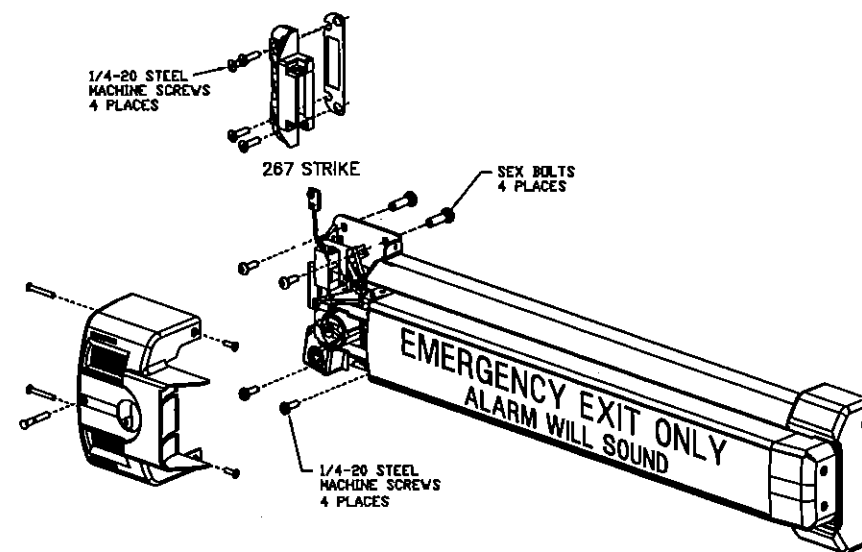
MORTISE EXIT DEVICE VON DUPRIN 8875(F)
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)



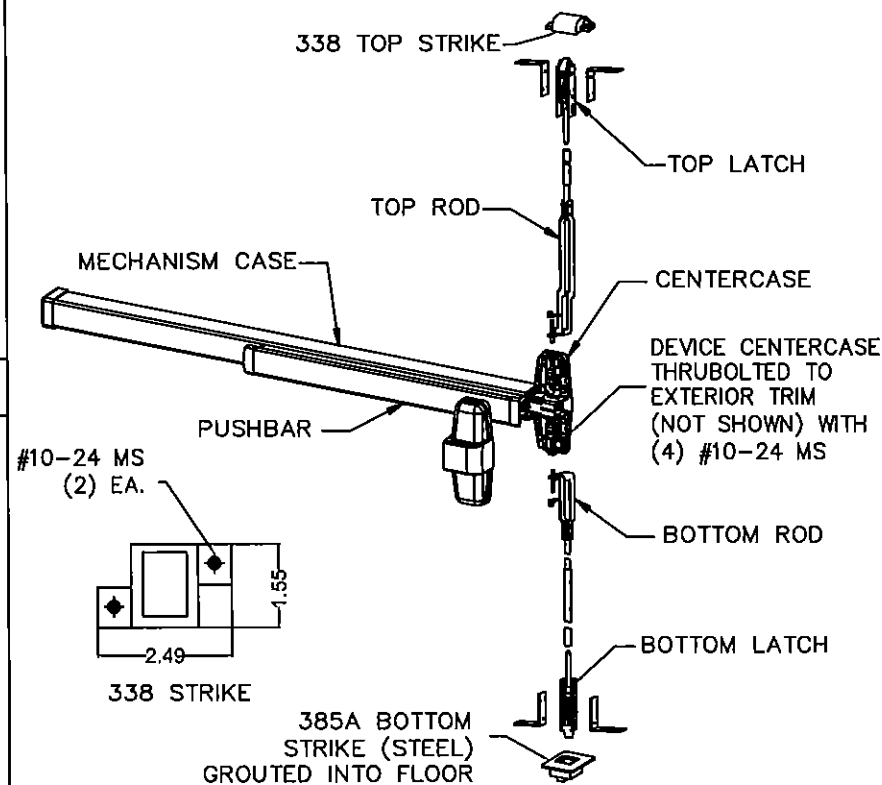
MORTISE EXIT DEVICE FALCON (F)25-M
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

NOTES:

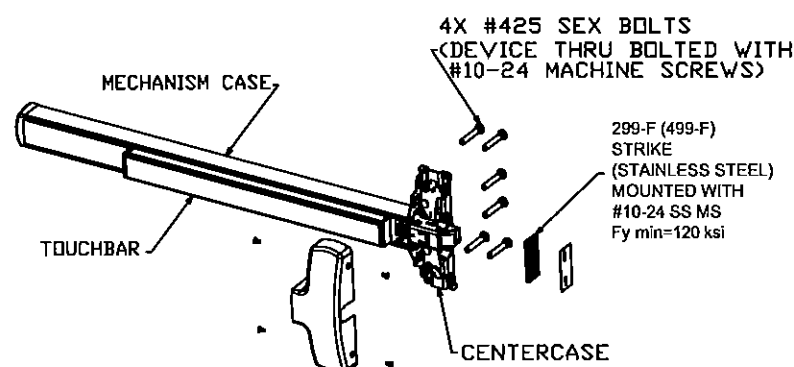
- ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
- EXIT HARDWARE OPTIONS:
FOR 98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F ALK
FOR XP98/99 SERIES - E, RX, LX, QEL, F
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES RIM - FUNCTION E
TRIMS: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.
FOR 2670 GUARD-X
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
FOR FALCON (F)25-R, (F)25-M, F-25-C & (F)25-V SERIES - FUNCTIONS AE, DM, LM, LK, KOR, ED, EL, EA, FSA, FSE, HWEA
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.



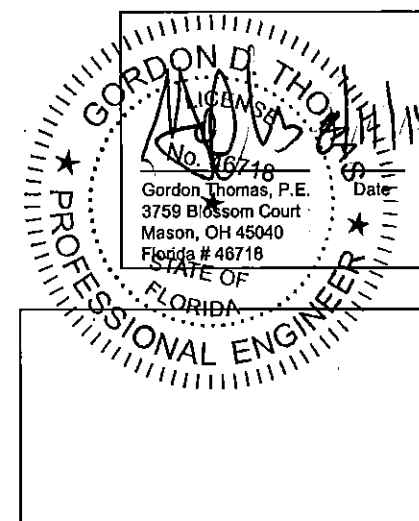
EXIT ALARM LOCK VON DUPRIN 2670 GUARD-X
USED IN DOOR CONFIGURATION 11 (SEE SHT.1)



CONCEALED VERTICAL ROD EXIT DEVICE VON DUPRIN 98/9947-F
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)



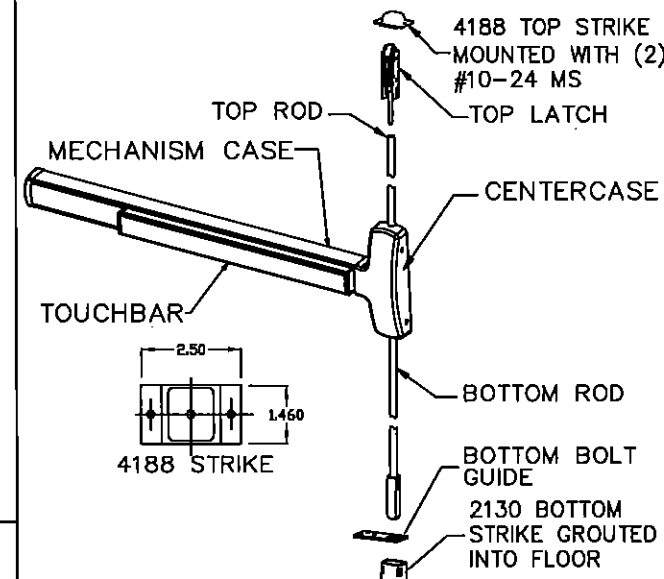
RIM EXIT DEVICE FALCON (F)25-R
USED IN DOOR CONFIGURATION 13 (SEE SHT.1)



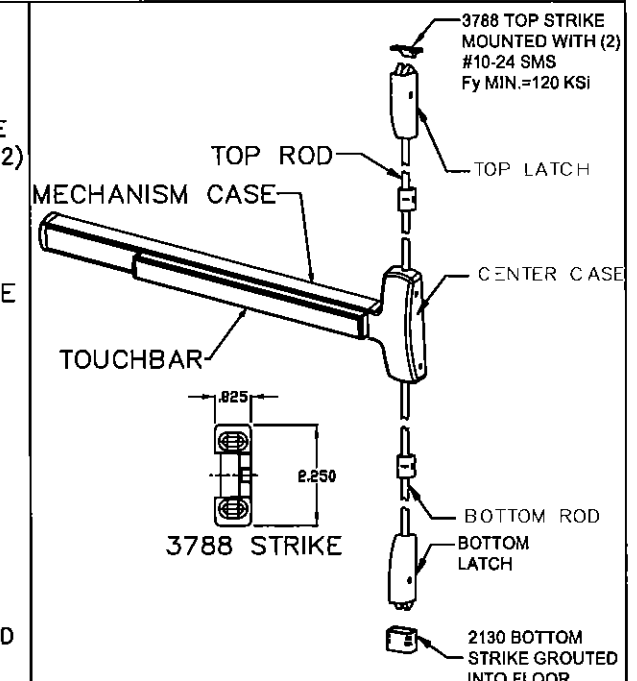
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
C	REVISED DWG	RAP	12/10/07
D	REVISED DWG	YMF	12/10/07
E	REVISED DWG	YMF	04/08/08
F	REVISED DWG	YMF	06/03/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0826-23
Expiration Date 5/5/17
b. Ishag, I. Chank
No. in Date Product Control

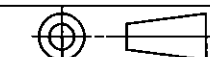


CONCEALED VERTICAL ROD EXIT DEVICE FALCON F-25-C
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)



SURFACE VERTICAL ROD EXIT DEVICE FALCON (F)25-V
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)

BEND RADIUS



THIRD ANGLE PROJECTION

DRAWN

YMF

CHECKED

APPROVED

ENG. APPVL

JPD

DATE

05/20/07

10/11/07

SCHLAGE LOCK COMPANY, LLC
6810 HILLSDALE COURT
INDIANAPOLIS, IN 46250

MANUFACTURING FACILITY:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS
WITH AND WITHOUT PANIC EXIT DEVICES

EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS

SIZE

FLAT

DWG NO.

IRFS07

REV

K

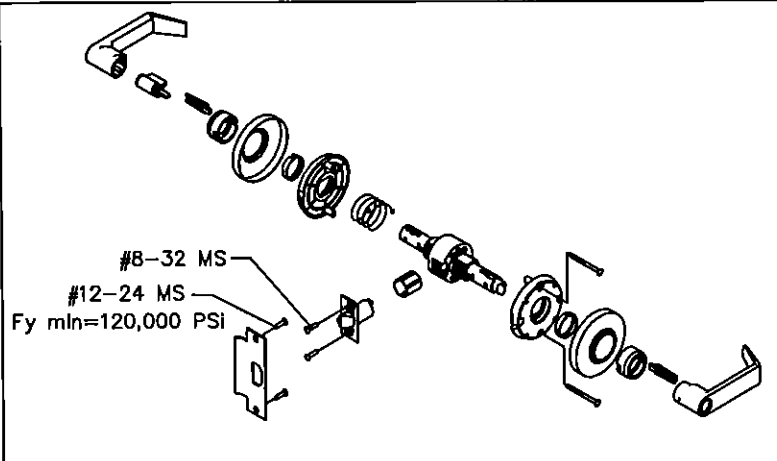
SCALE

NTS

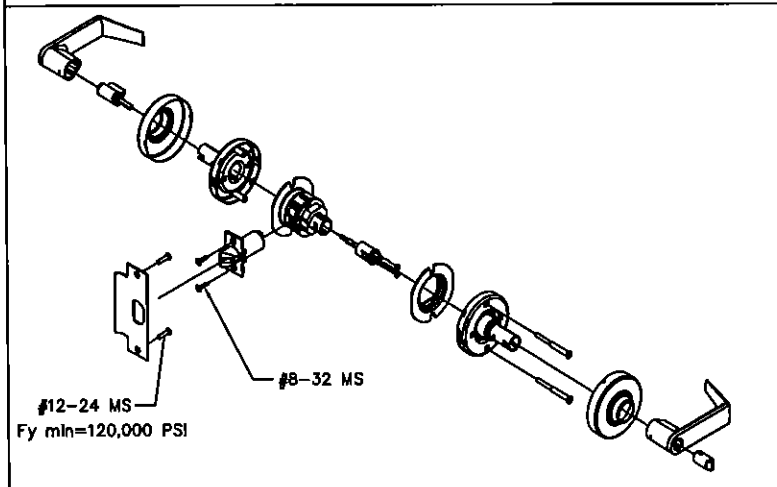
AUTOCAD

SHEET

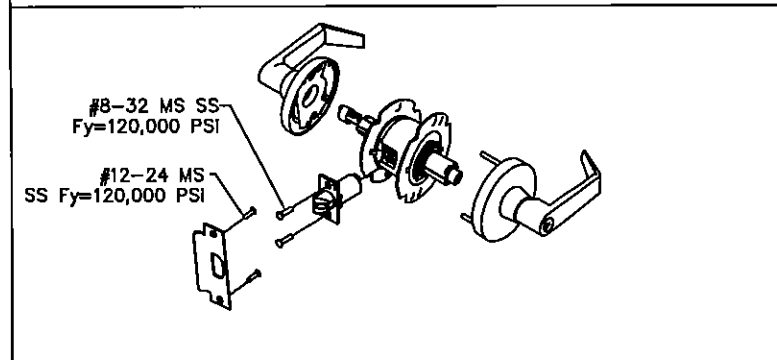
8 of 13



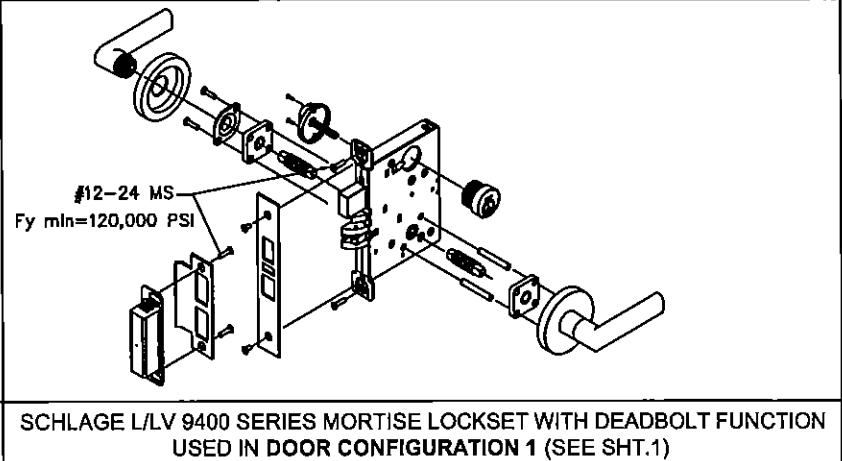
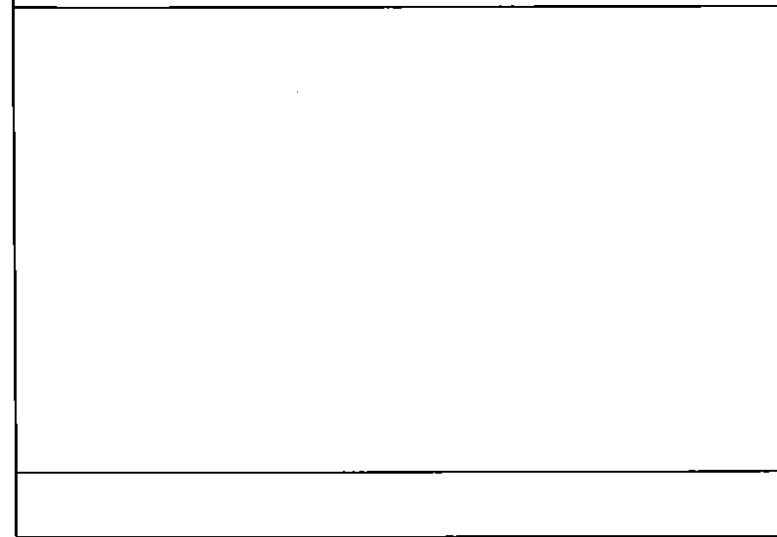
SCHLAGE AL-SERIES CYLINDRICAL LOCKSET WITH 1/2" THROW LATCH
USED IN DOOR CONFIGURATION 2 (SEE SHT.1)



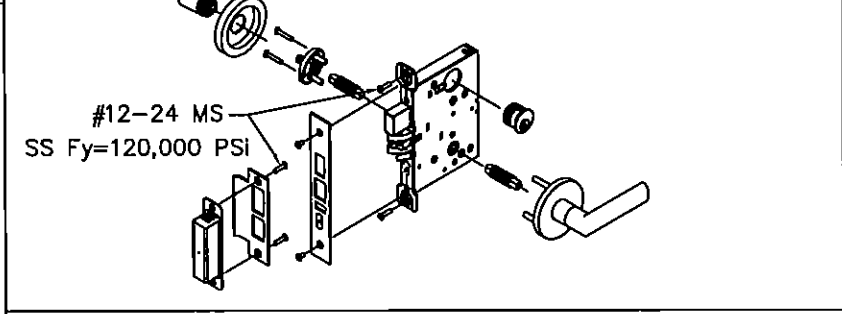
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS 3 & 4 (SEE SHT.1)



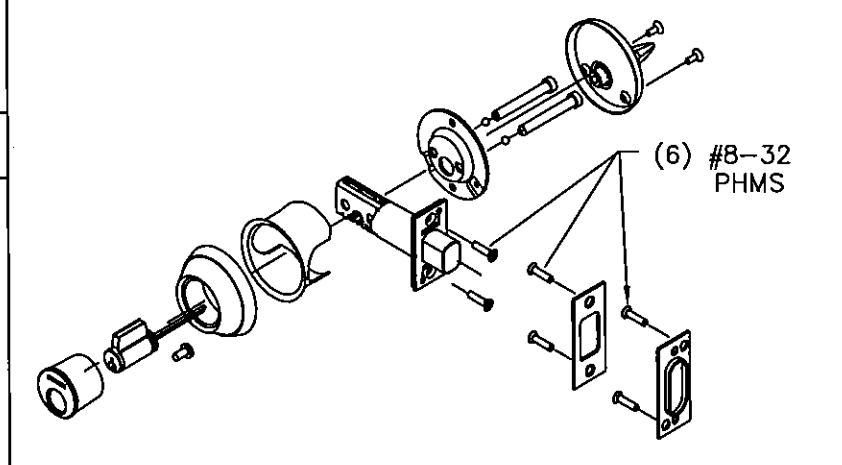
FALCON T-SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS 4 (SEE SHT.1)



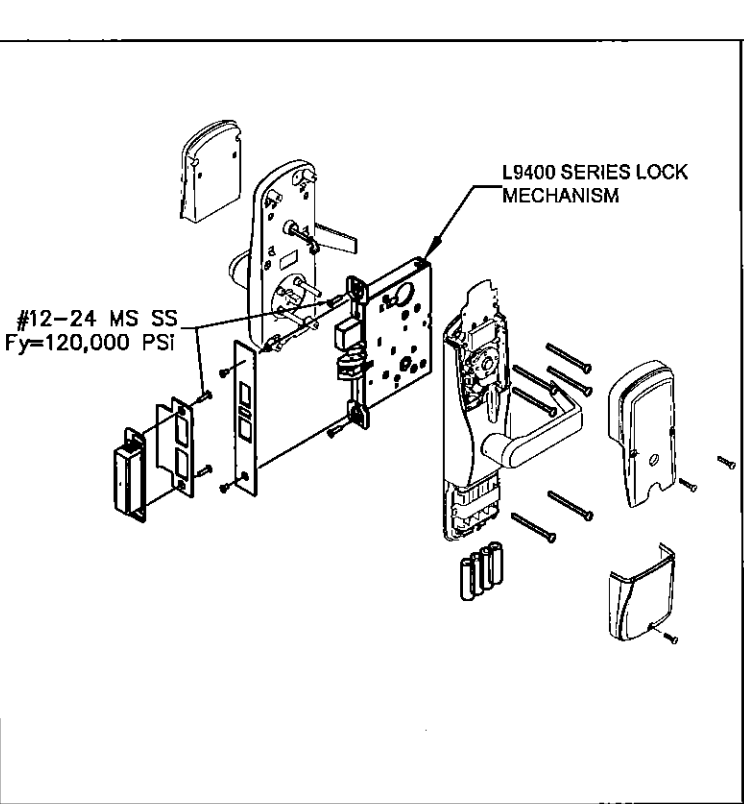
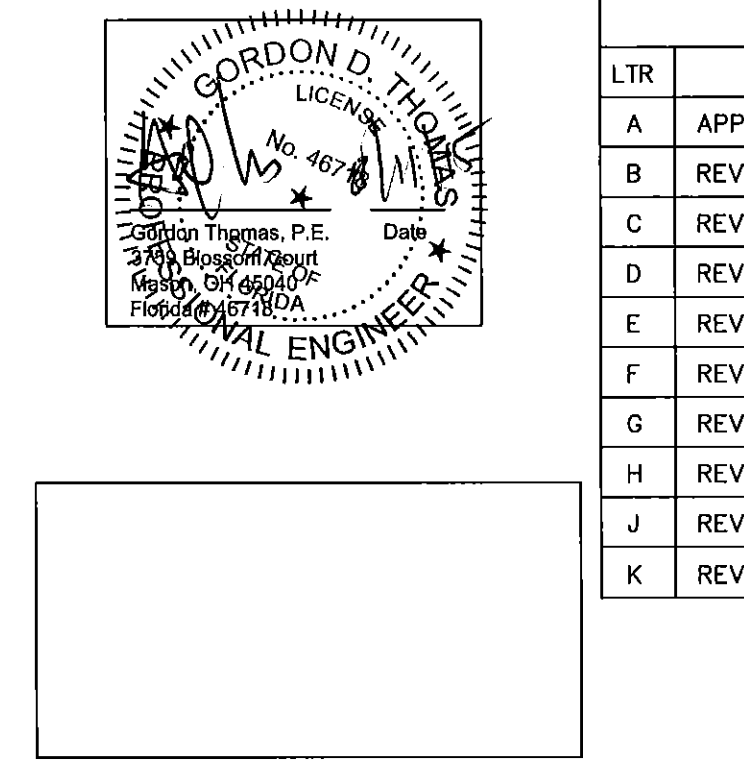
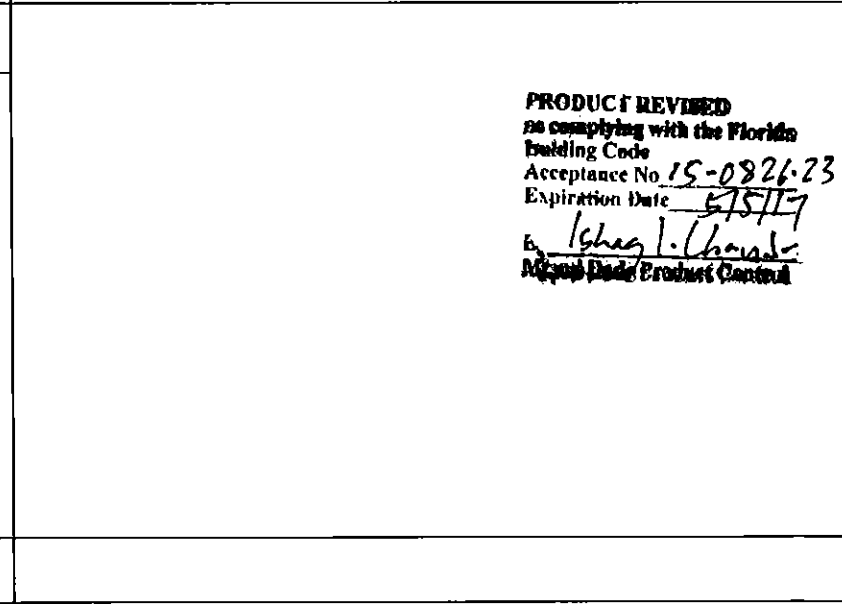
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION
USED IN DOOR CONFIGURATION 1 (SEE SHT.1)



FALCON M-SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION
USED IN DOOR CONFIGURATION 1 (SEE SHT.1)



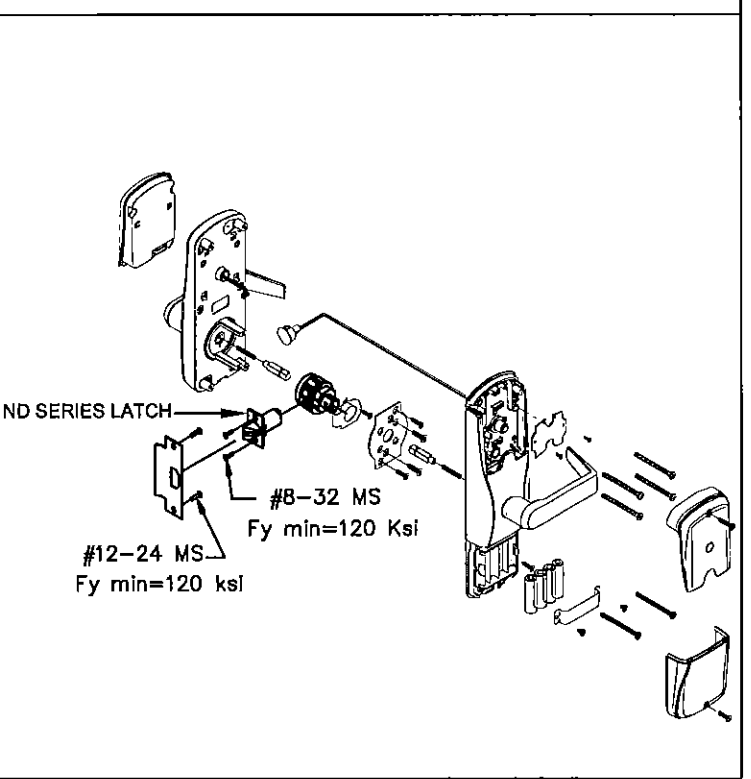
SCHLAGE B600/700/800 CYLINDRICAL DEADLOCK
USED IN DOOR CONFIGURATION 12 (SEE SHT.1)



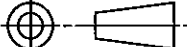
SCHLAGE CO/AD MD SERIES MORTISE LOCKSET W/DEADBOLT
USED IN CONFIGURATIONS: 1 (SEE SHT. 1)

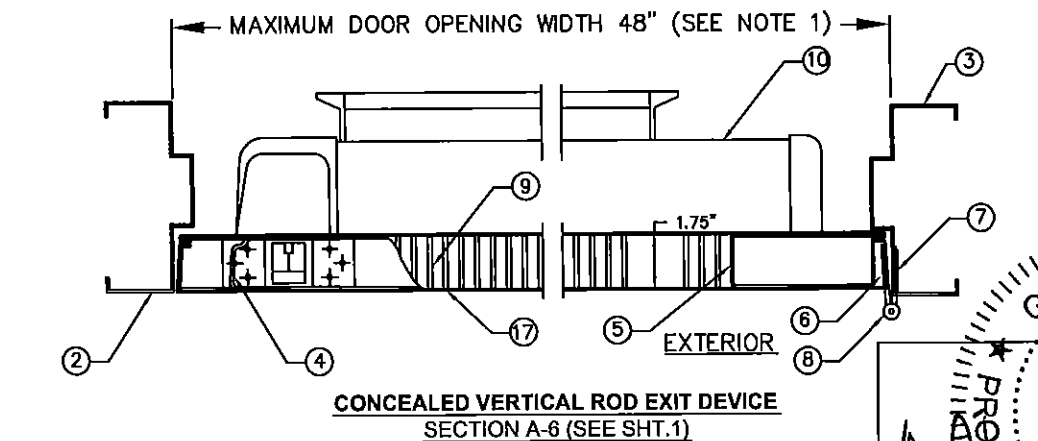
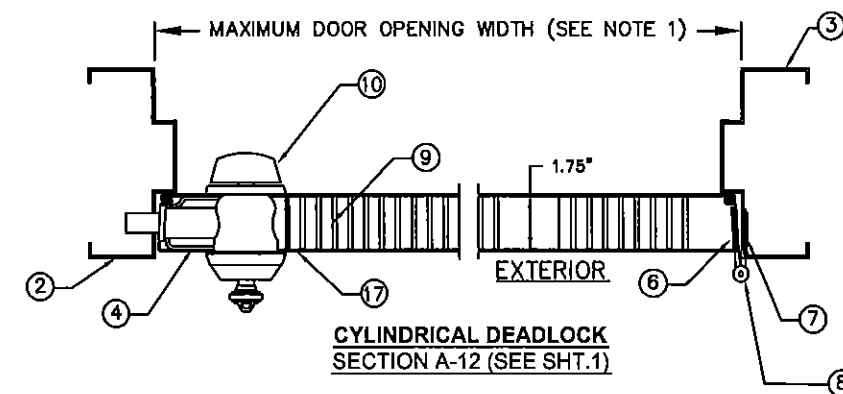
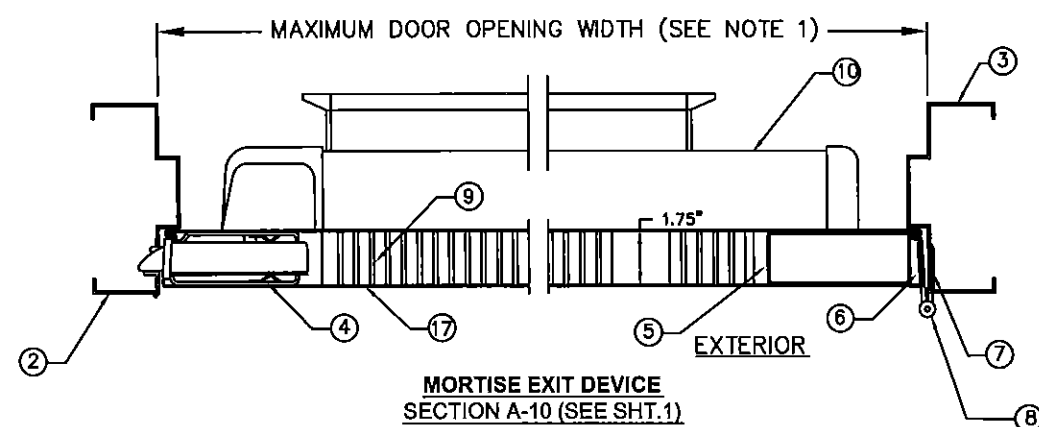
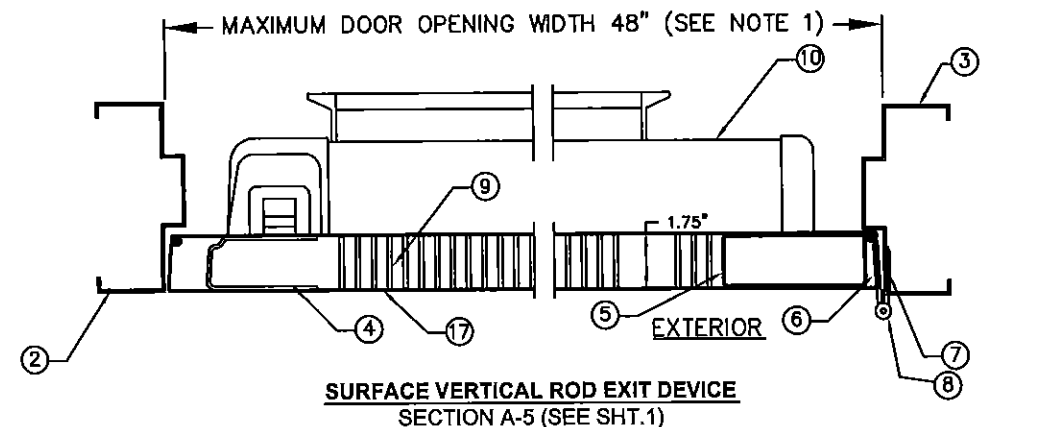
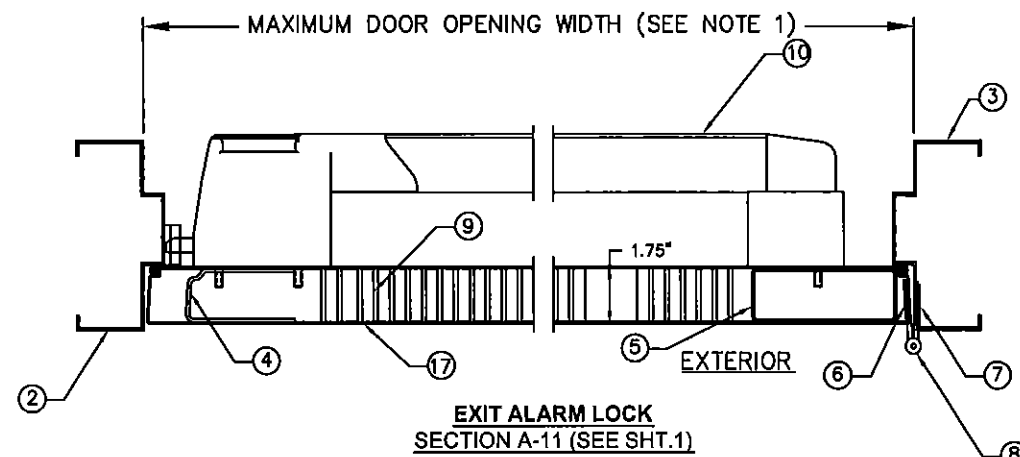
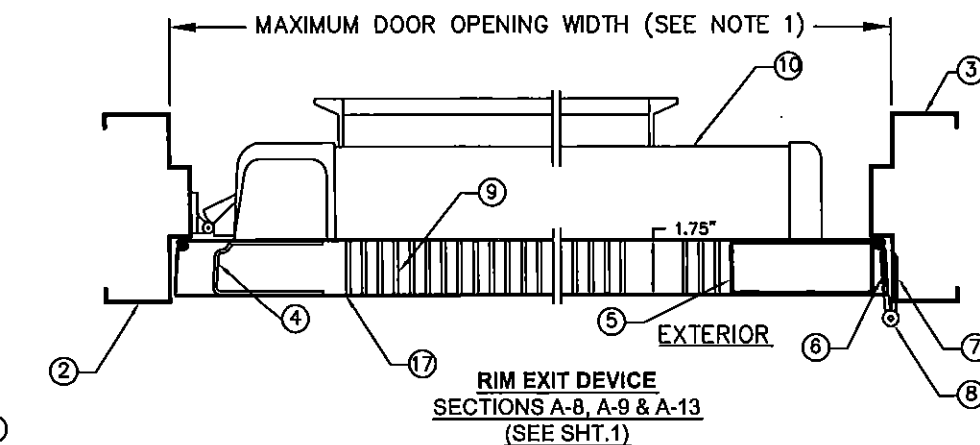
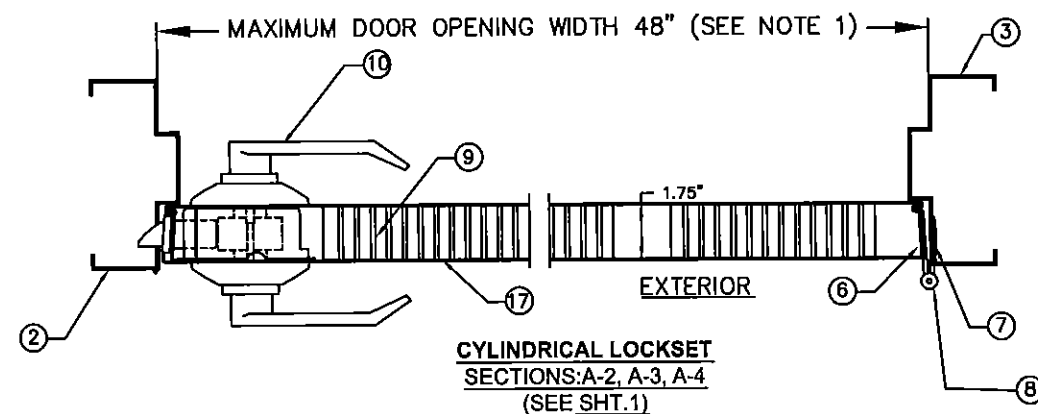
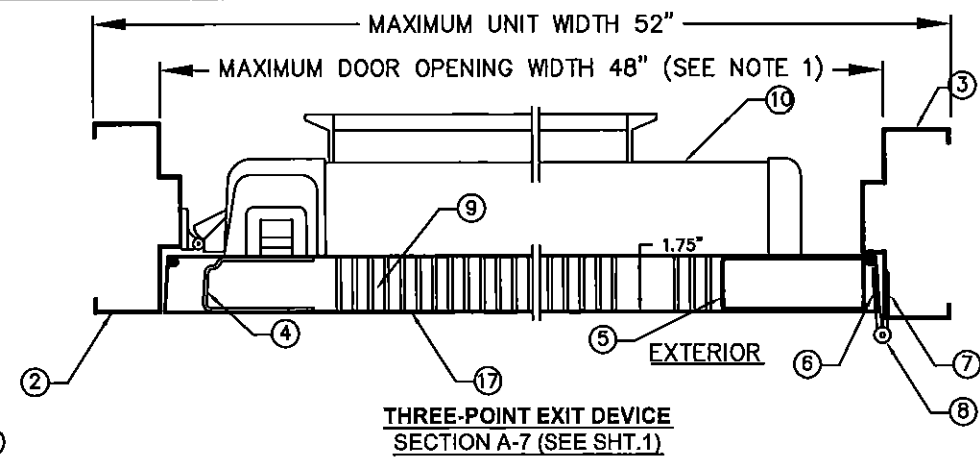
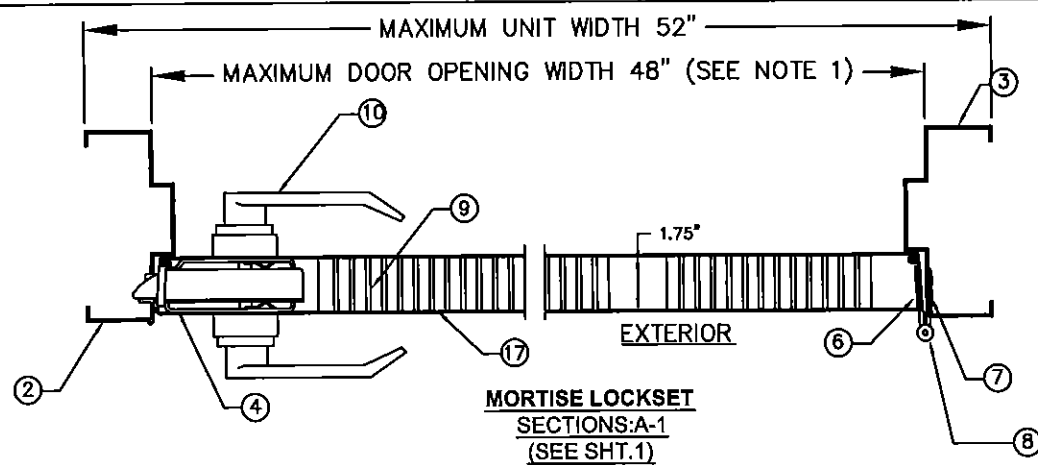
REVISIONS					
LTR	DESCRIPTION			DATE	APPROVED
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B	REVISED	DWG	RAP	10/11/07	
C	REVISED	DWG	RAP	12/10/07	
D	REVISED	DWG	YMF	01/08/08	
E	REVISED	DWG	YMF	04/08/08	
F	REVISED	DWG	YMF	06/03/08	
G	REVISED	DWG	YMF	03/03/09	
H	REVISED	DWG	YMF	04/07/10	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	DWG	JPD	02/01/15	

NOTE:
ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS
ARE NOT PART OF THIS APPROVAL AND
ARE TO BE REVIEWED BY THE BUILDING OFFICIAL



SCHLAGE CO/AD CY SERIES CYLINDRICAL LOCKSET
USED IN CONFIGURATIONS: 3&4 (SEE SHT.1)

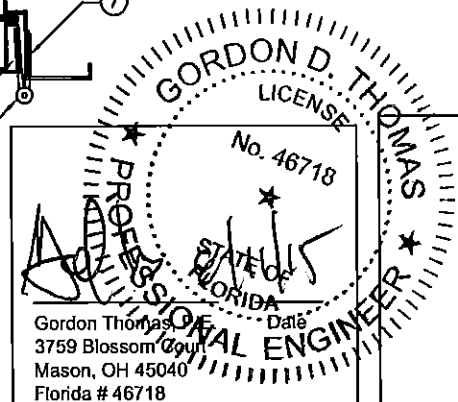
BEND RADIUS						SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242					
THIRD ANGLE PROJECTION						TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HARDWARE OPTIONS FOR FLUSH SINGLE DOORS.									
DRAWN YMF		DATE 05/20/07													
CHECKED															
APPROVED				SIZE	FLAT		DWG NO.				IRFS07				REV K
ENG. APPVL JPD		10/11/07		SCALE:		NTS		AUTOCAD						SHEET 9 of 13	

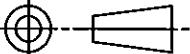


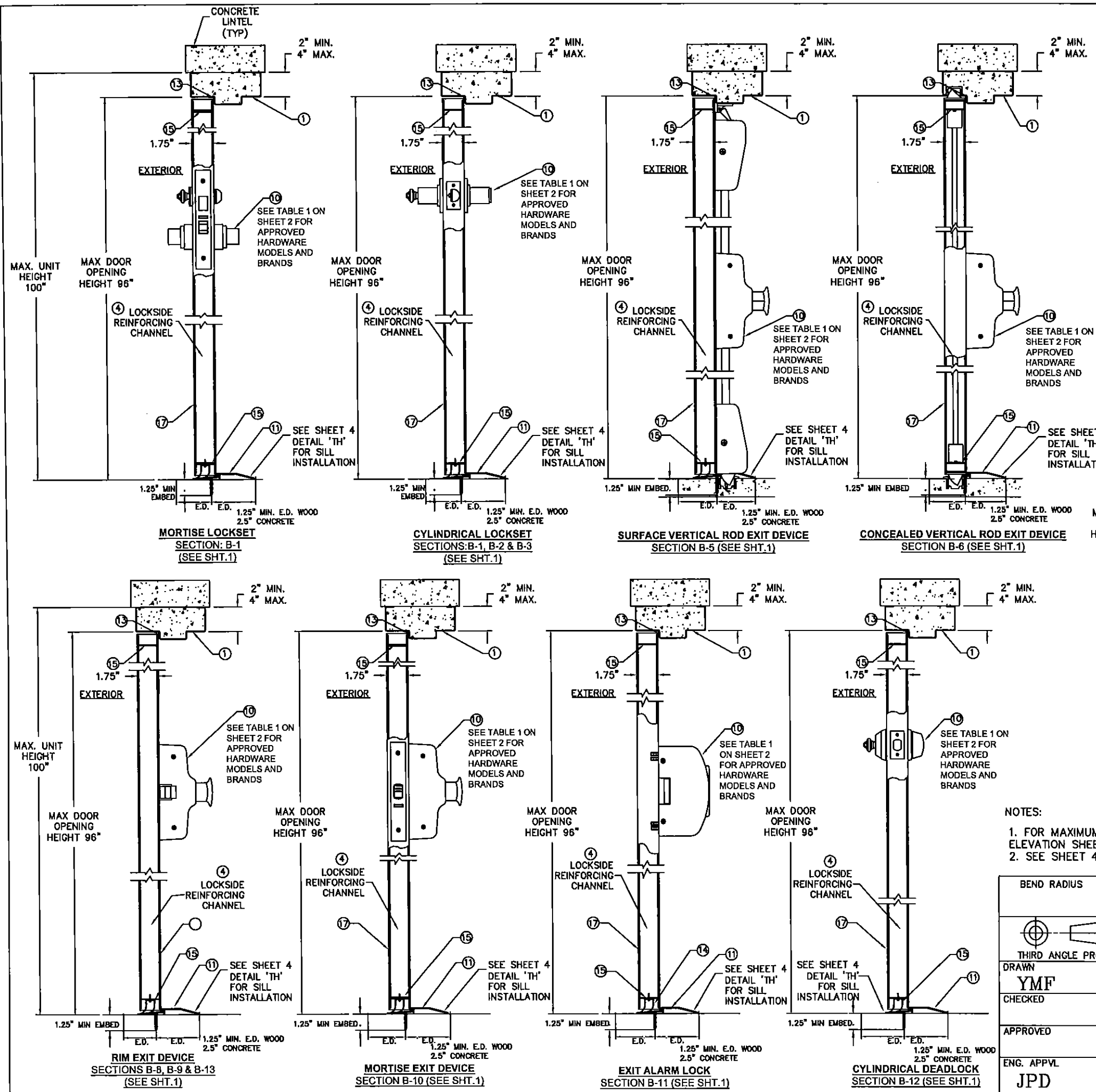
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0826-23
Expiration Date 5/5/17
By: [Signature]
M. J. [Signature] Product Control

NOTES:

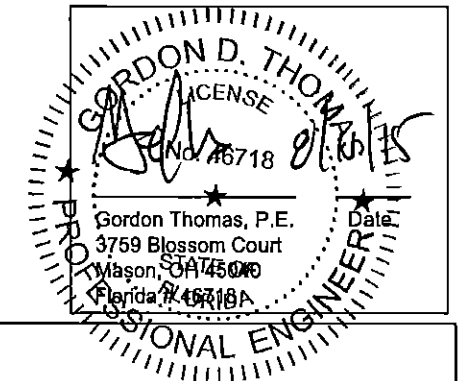
1. FOR MAXIMUM OPENING SIZE SEE TABLE 1 ON SHEET 2.
2. SINGLE OUTSWING DOORS, SEE SHEET 4 FOR INSTALLATION INFORMATION.



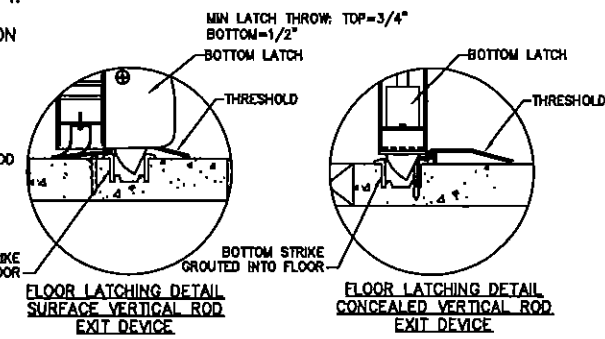
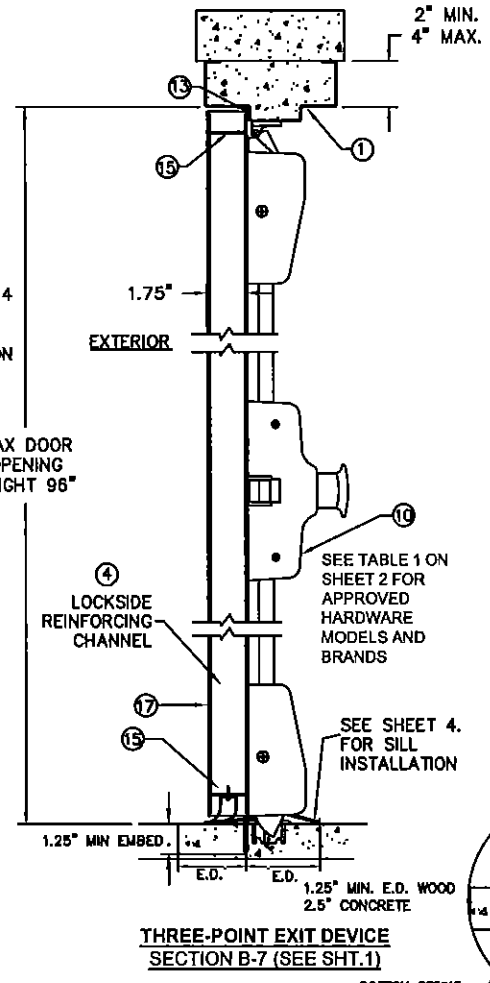
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 6810 HILLSADLE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242			
THIRD ANGLE PROJECTION									
DRAWN YMF		DATE 05/20/007		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HORIZONTAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.					
CHECKED									
APPROVED									
ENG. APPVL JPD		10/11/07		SIZE	FLAT	DWG NO.	IRFS07	REV	J
SCALE:		NTS		AUTOCAD				SHEET	10 of 13



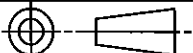
REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
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D	REVISED DWG	YMF	01/08/08	
E	REVISED DWG	YMF	04/08/08	
F	REVISED DWG	YMF	06/03/08	
G	REVISED DWG	YMF	03/04/09	
H	REVISED DWG	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	

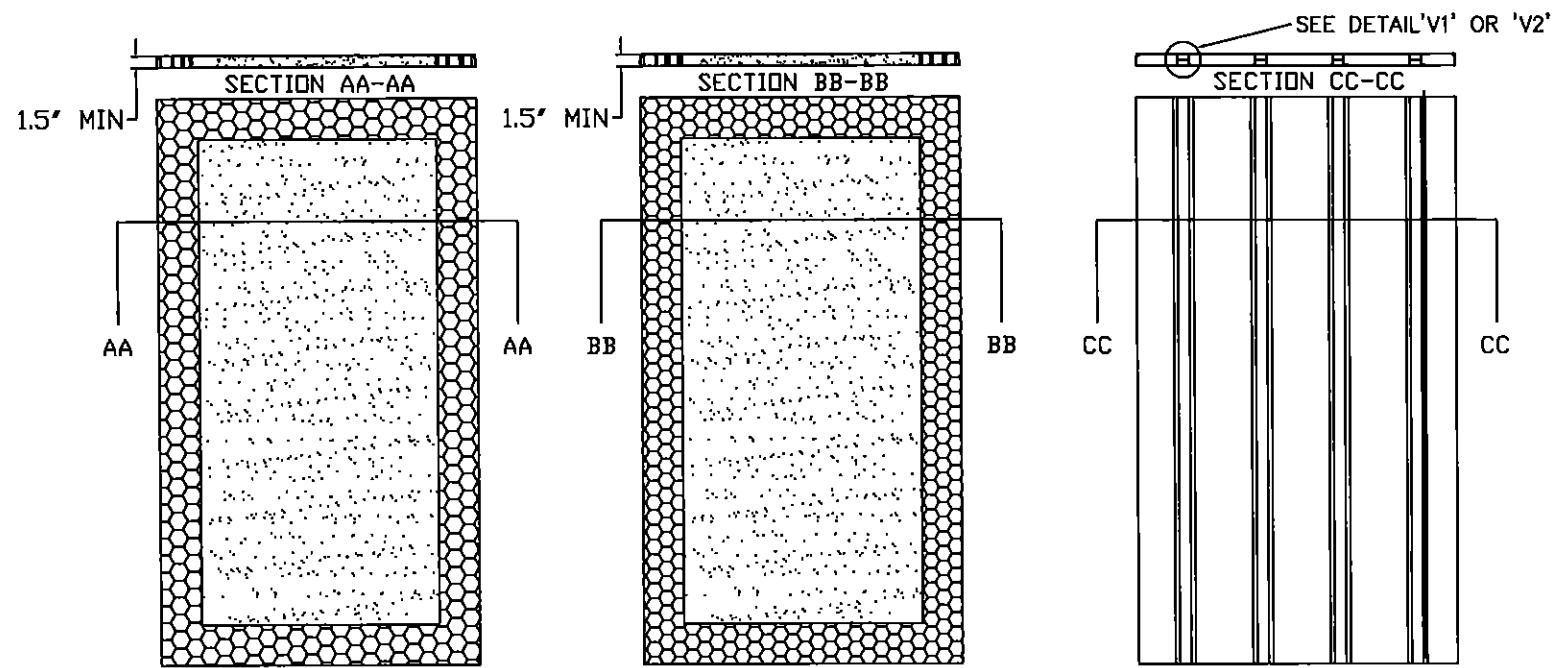


PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0826-23
 Expiration Date 5/5/17
Isang L. L. Thomas Jr.
 Manufacturer Product Control



- NOTES:
1. FOR MAXIMUM DOOR & UNIT OPENING SIZES SEE ELEVATION SHEET 1 AND TABLE 1 ON SHEET 2.
 2. SEE SHEET 4 FOR ANCHOR INSTALLATION DETAILS.

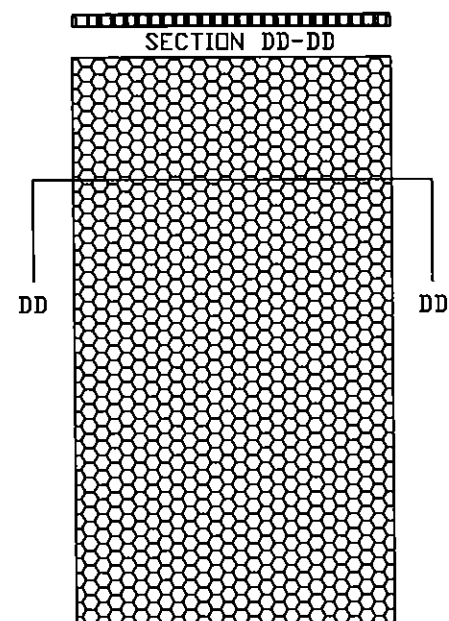
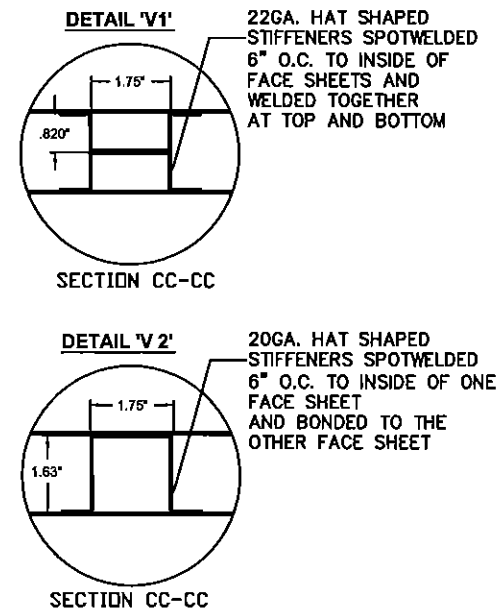
BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250</div> <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>				
<div></div>						
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
DRAWN	DATE	VERTICAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.				
YMF	05/20/07					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	REV	
				IRFS07	K	
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHEET	11 of 13
JPD	10/11/07					



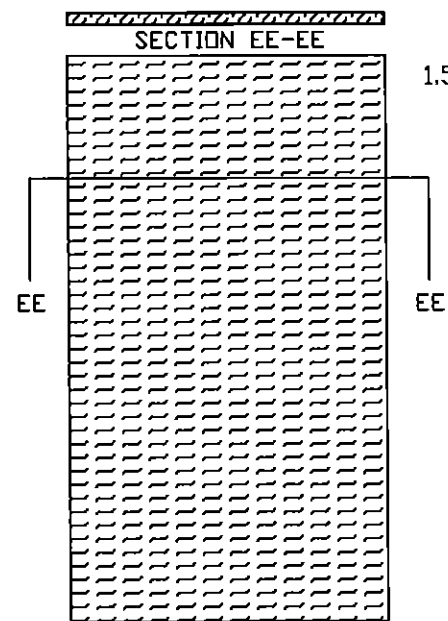
(A) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS
DENSITY: 1.0 LBS/FT³

(B) POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN
DENSITY: 2 LBS/FT³

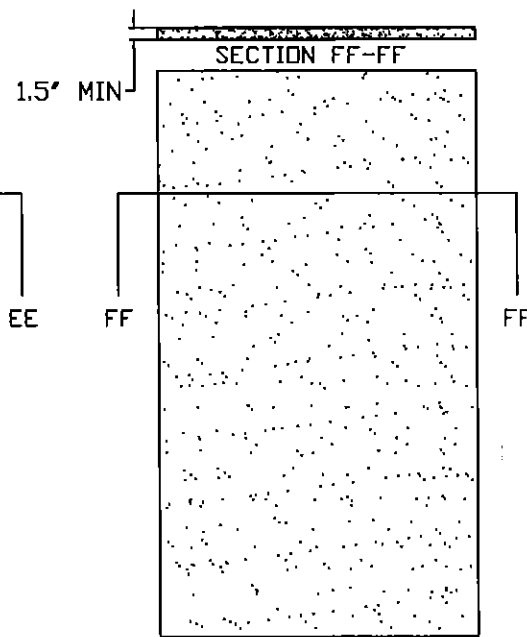
(C) STEEL STIFFENED
HAT SHAPED SECTIONS



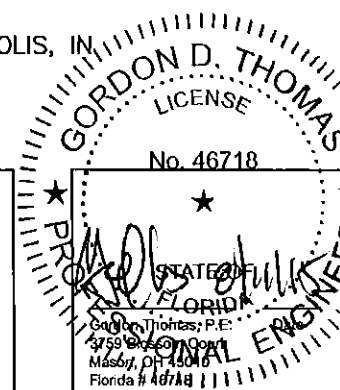
(D) HONEYCOMB
KRAFT PAPER.



(E) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY: 17±1.5 LBS/FT³
PYROPHIBIC SYSTEMS LTD
PYROPHOBIC PSL P25C-60 CORE
OR
MARSHFIELD DOOR SYSTEMS
CALCIUM SILICATE MINERAL CORE



(F) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS DENSITY: 1.0 LB/FT³
OR POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN
DENSITY: 2 LBS/FT³



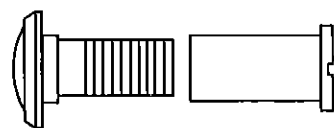
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG JPD	02/03/14	
B	REVISED DWG JPD	02/01/15	
C	REVISED DWG JPD	05/05/15	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0826.23
Expiration Date 5/5/17
By: [Signature]
Miami Dade Product Control

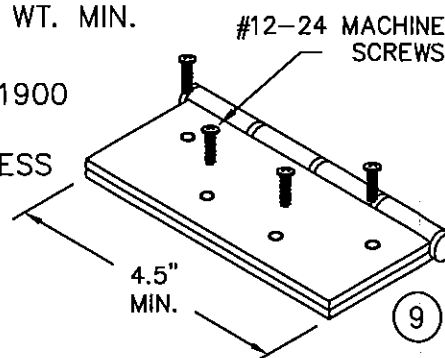
NOTES:
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

BEND RADIUS		THIRD ANGLE PROJECTION		DRAWN JPD		DATE 02/03/14		APPROVED		ENG. APPVL		MANUFACTURING FACILITY: STEELCRAFT 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250	
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		MIAMI-DADE COUNTY PRODUCT APPROVAL DOOR CORE OPTIONS		SIZE		FLAT		DWG NO.		IRFS07		REV C	
SCALE: NTS		AUTOCAD		SHEET		12 of 13							



24 IVES 698/U698 DOOR VIEWER

STEEL BUTT HINGE
4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1
STANLEY FBB179/1900
HAGER BB1279
.134" MIN. THICKNESS
Fy MIN. = 36ksi

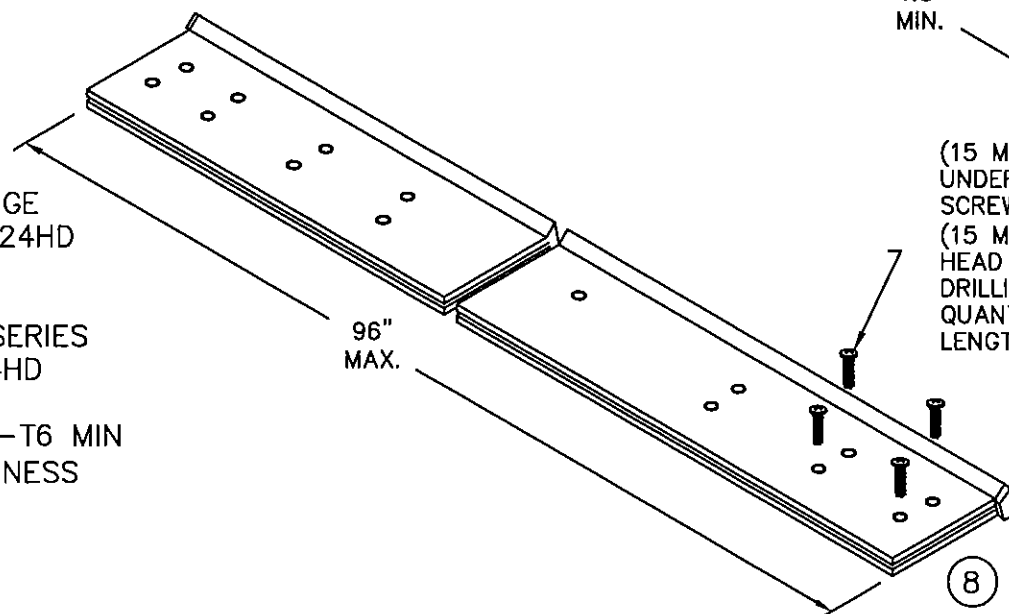


#12-24 MACHINE
SCREWS

4.5"
MIN.

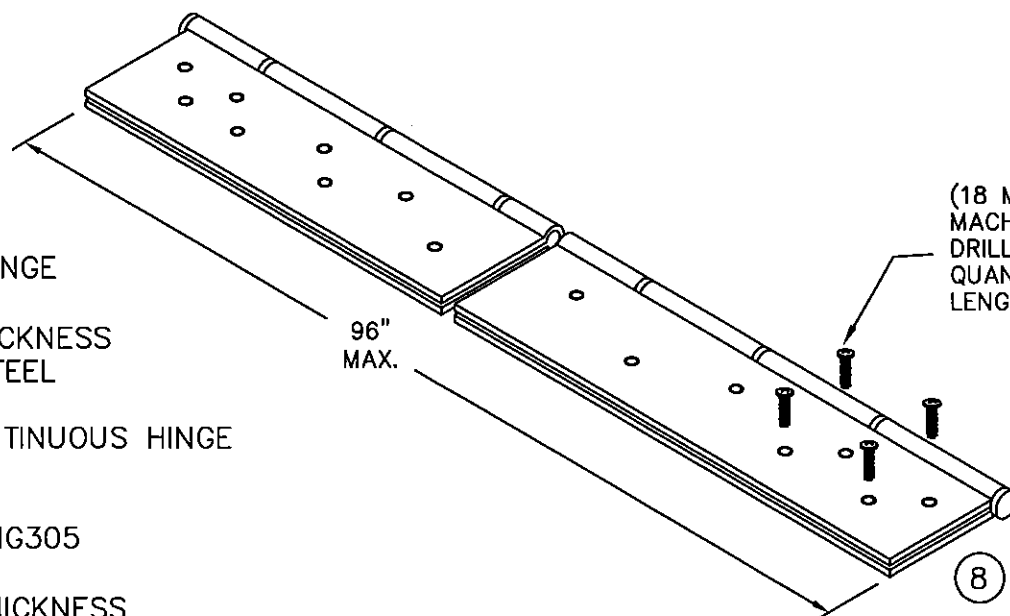
(15 MIN.) 12-24x3/4" FLAT HEAD
UNDERCUT SELF DRILLING
SCREW DOOR LEAF
(15 MIN.) 12-24 X 1-3/8" FLAT
HEAD UNDERCUT SELF
DRILLING SCREW FRAME LEAF
QUANTITY VARIES PER HINGE
LENGTH

CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMKO FM_HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS



96"
MAX.

STEEL CONTINUOUS HINGE
IVES 600
.075 MIN. (14GA.) THICKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" MIN. (14GA.) THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi



96"
MAX.

(18 MIN.) #10-24X 1/2" MIN.
MACHINE SCREW OR SELF
DRILLING EACH HINGE LEAF
QUANTITY VARIES PER HINGE
LENGTH

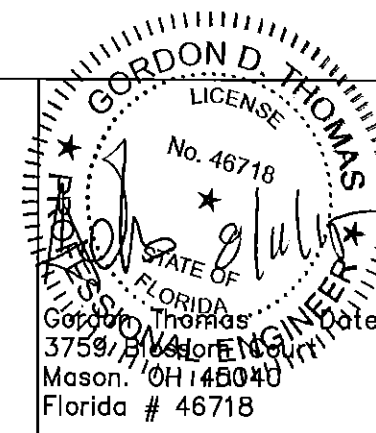
CONTINUOUS HINGE NOTES:

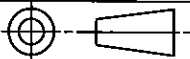
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	09/05/13	
B	REVISED	02/01/15	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-082623
Expiration Date 04/01/2017
By: Ishay L. Chang
Mason, Inc. Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250 TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HINGE OPTIONS		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION					
DRAWN JPD	DATE 02/03/14				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. IRFS07	REV B
ENG. APPVL		SCALE: NTS	AUTOCAD		SHT 13 OF 13